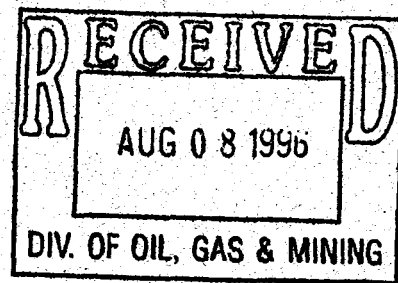




August 6, 1996

Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

Attn: Frank Matthews



Re: Enserch Exploration, Inc.
Federal #13-15H
NW SW Sec. 15, T9S - R17E
Duchesne County, Utah

Dear Frank,

Enclosed please find three copies of the Application for Permit to Drill on the above mentioned well along with one copy of the drilling program and surface use plan which has been filed with the BLM in Vernal, Utah.

Please forward the approved copies to me at the address shown below. Thanks for your assistance in this matter.

Sincerely,

PERMITCO INC.

Lisa L. Smith
Consultant for:
Enserch Exploration, Inc.

Enc.

cc: Enserch Exploration, Inc. - Dallas, TX
Enserch Exploration, Inc. - Vernal, UT

Permitco Incorporated
A Petroleum Permitting Company

AUG 08 1996

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
U-74805

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐ **PLUG BACK** ☐

1b. TYPE OF WELL

OIL ☐ **GAS** ☐ **SINGLE** ☐ **MULTIPLE** ☐
WELL ☒ **WELL** ☐ **OTHER** ☐ **ZONE** ☒ **ZONE** ☐

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Federal

2. NAME OF OPERATOR **214/987-6430 4849 Greenville Ave., Suite 1200**

Enserch Exploration, Inc. Dallas, Texas 75206

3. ADDRESS OF OPERATOR **303/452-8888 13585 Jackson Drive.**

PERMITCO INC. - Agent Denver, CO 80241

9. WELL NO.
#13-15H

10. FIELD AND POOL OR WILDCAT
Pleasant Valley

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At Surface **2101' FSL and 779' FWL**

At proposed Prod. Zone **NW SW Sec. 15, T9S - R17E**

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 15, T9S - R17E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16.6 miles south of Myton, Utah

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY
OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

779'

16. NO. OF ACRES IN LEASE

520

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL,
DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approx. 900'

19. PROPOSED DEPTH

5750'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5260' GR

22. APPROX. DATE WORK WILL START*

October 2, 1996

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	400'	270 cubic feet Class "G"
7-7/8"	5-1/2"	17#	5750'	1900 cubic feet Light &

Class "G".

Enserch Exploration, Inc. proposes to drill a well to 5750' to test the Douglas Creek D & F Markers. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

CONFIDENTIAL - TIGHT HOLE

Please be advised that Enserch Exploration, Inc. is considered to be the Operator of the above mentioned well. Enserch Exploration, Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by BLM Nationwide Bond No. MT-0680 (203826). The principal is Enserch Exploration, Inc. via surety consent as provided for in 43 CFR 3104.2.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *[Signature]*

Consultant for:
TITLE **Enserch Exploration, Inc.**

DATE **08/06/96**

(This space for Federal or State office use)

PERMIT NO. **43-013-31698**

APPROVAL DATE

APPROVED BY *[Signature]*

TITLE *[Signature]* DATE **9/3/96**

CONDITIONS OF APPROVAL, IF ANY:

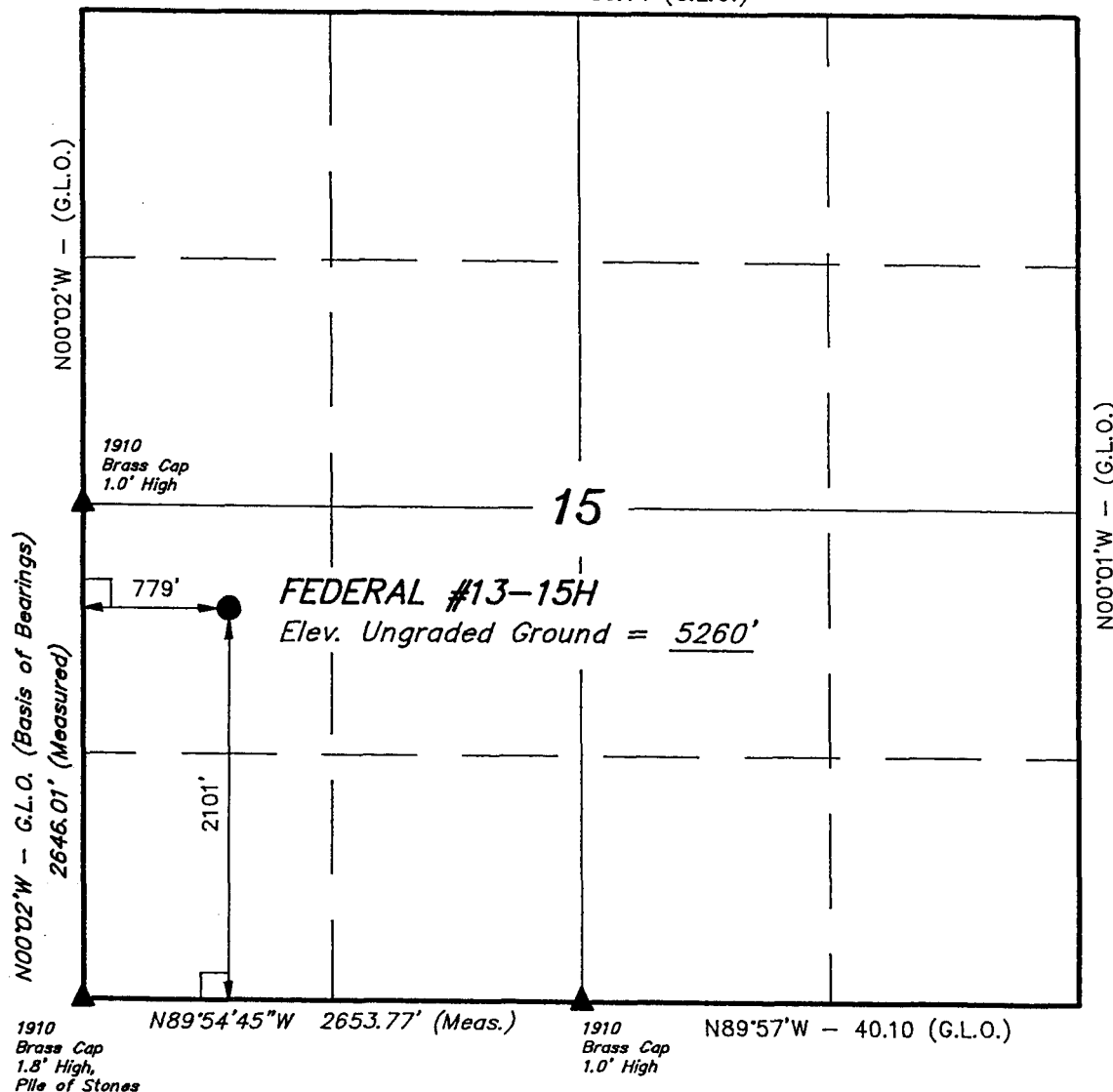
cc: Utah Division of Oil, Gas & Mining

***See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T9S, R17E, S.L.B.&M.

N89°58'W - 80.14 (G.L.O.)



LEGEND:

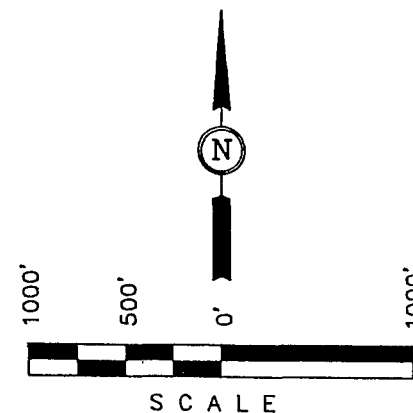
- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

ENSERCH EXPLORATION, INC.

Well location, FEDERAL #13-15H, located as shown in the NW 1/4 SW 1/4 of Section 15, T9S, R17E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 15, T9S, R17E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5302 FEET.



CERTIFICATE

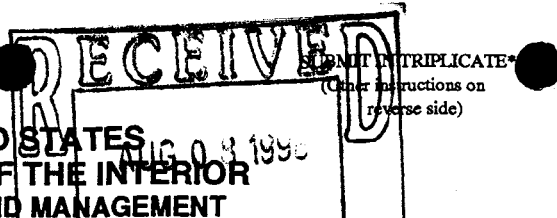
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 181319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 7-12-96	DATE DRAWN: 7-15-96
PARTY B.B. C.G. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENSERCH EXPLORATION, INC.	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. FARM OR LEASE NAME Federal	
2. NAME OF OPERATOR Enserch Exploration, Inc.		9. WELL NO. #13-15H	
3. ADDRESS OF OPERATOR PERMITCO INC. - Agent		10. FIELD AND POOL OR WILDCAT Pleasant Valley	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface 2101' FSL and 779' FWL At proposed Prod. Zone NW SW Sec. 15, T9S - R17E 640 237		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T9S - R17E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16.6 miles south of Myton, Utah		12. COUNTY OR PARISH Duchesne	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 779'		13. STATE Utah	
16. NO. OF ACRES IN LEASE 520		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approx. 900'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5260' GR		22. APPROX. DATE WORK WILL START* October 2, 1996	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24#	400'
7-7/8"	5-1/2"	17#	5750'
QUANTITY OF CEMENT 270 cubic feet Class "G" 1900 cubic feet Light & Class "G".			

Enserch Exploration, Inc. proposes to drill a well to 5750' to test the Douglas Creek D & F Markers. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

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CONFIDENTIAL - TIGHT HOLE

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Bond coverage for this well is provided by BLM Nationwide Bond No. MT-0680 (203826). The principal is Enserch Exploration, Inc. via surety consent as provided for in 43 CFR 3104.2.

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24. SIGNED [Signature] CONSULTANT FOR: Enserch Exploration, Inc. DATE 08/06/96
(This space for Federal or State office use)

PERMIT NO. 43-013-31698 APPROVAL DATE 9/3/96
APPROVED BY [Signature] TITLE Petroleum Engineer
CONDITIONS OF APPROVAL, IF ANY:

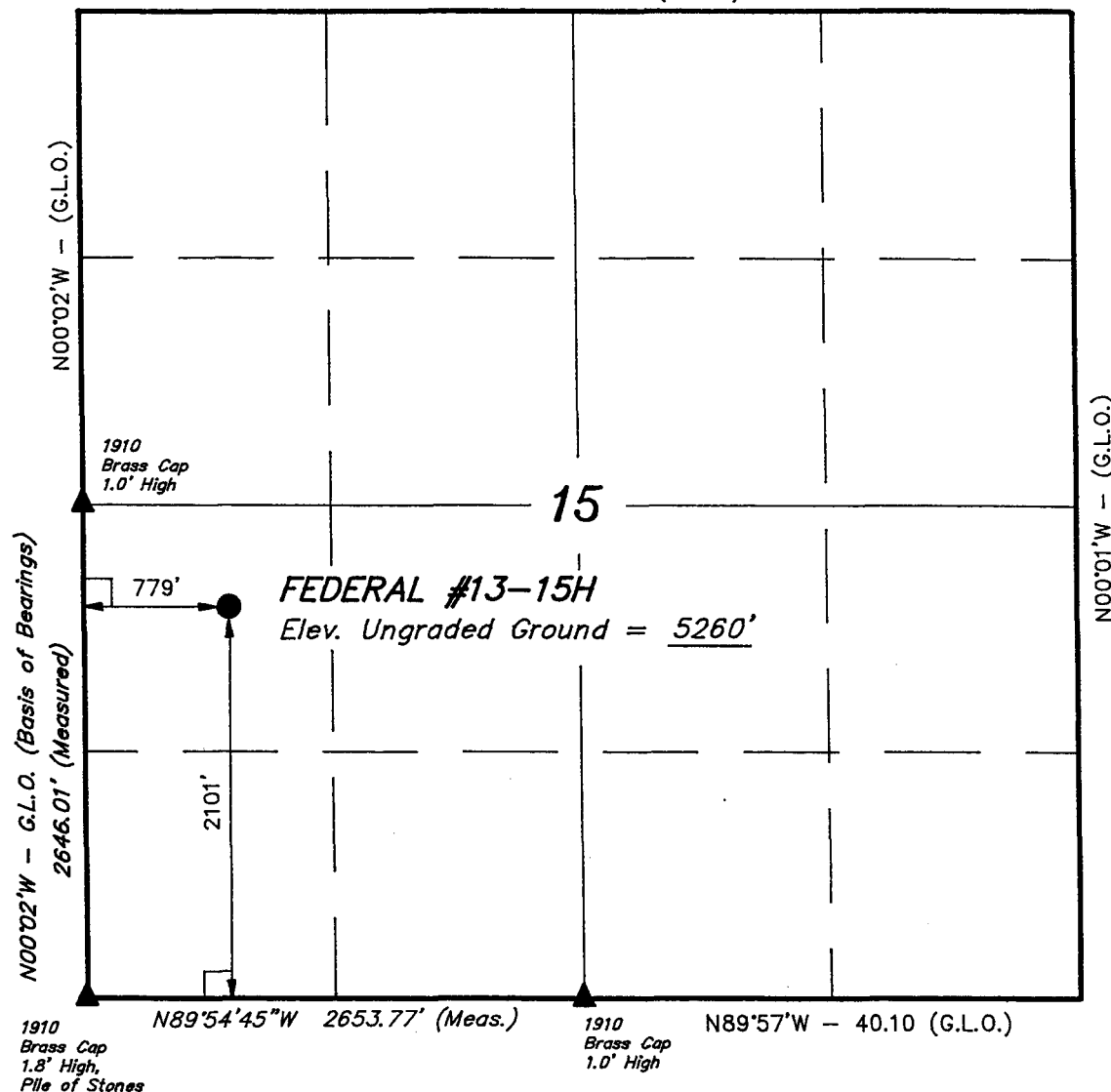
cc: Utah Division of Oil, Gas & Mining

*See Instructions On Reverse Side

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T9S, R17E, S.L.B.&M.

N89°58'W - 80.14 (G.L.O.)



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

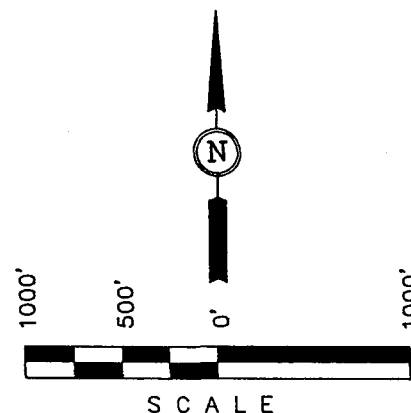
▲ = SECTION CORNERS LOCATED.

ENSERCH EXPLORATION, INC.

Well location, FEDERAL #13-15H, located as shown in the NW 1/4 SW 1/4 of Section 15, T9S, R17E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 15, T9S, R17E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5302 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. JENSEN
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

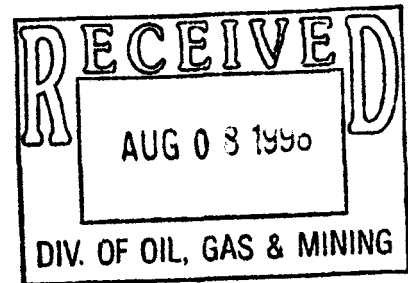
SCALE 1" = 1000'	DATE SURVEYED: 7-12-96	DATE DRAWN: 7-15-96
PARTY B.B. C.G. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENSERCH EXPLORATION, INC.	

CONFIDENTIAL - TIGHT HOLE

ONSHORE OIL & GAS ORDER NO. 1

**Approval of Operations on Onshore
Federal and Indian Oil & Gas Leases**

**Federal #13-15H
2101' FSL and 779' FWL
NW SW Sec. 15, T9S - R17E
Duchesne County, Utah**



Prepared For:

ENSERCH EXPLORATION, INC.

By:

**PERMITCO INC.
13585 Jackson Drive
Denver, Colorado 80241
303/452-8888**

CONFIDENTIAL - TIGHT HOLE

Copies Sent To:

- 3 - BLM - Vernal, Utah**
- 1 - Utah Division of Oil, Gas & Mining - SLC, UT**
- 5 - Enserch Exploration, Inc. - Dallas, TX**
- 1 - Enserch Exploration, Inc. - Vernal, Utah**



**ENSERCH
EXPLORATION INC.**

Drilling Division
4849 Greenville Ave., Suite 1200
Dallas, Texas 75206-4186

**Bureau of Land Management
170 S. 500 East
Vernal, Utah 84078**

Attn: Minerals

**Re: Federal 13-15H
Sec. 15-T9S-R17E
Duchesne Co., Utah**

Gentlemen:

This letter is to inform you that Permitco Inc. is authorized to act as Agent and to sign documents on behalf of Enserch Exploration, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned well.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

Enserch Exploration, Inc. agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above mentioned well.

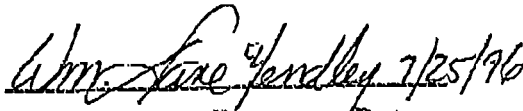

Wm. Danc Hendley Date

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ONSHORE ORDER NO. 1
Enserch Exploration, Inc.
Federal #13-15H
2101' FSL and 779' FWL
NW SW Sec. 15, T9S - R17E
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-74805

DRILLING PROGRAM
Page 1

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Uintah	Surface	
Green River	1309'	+3963'
Douglas Creek Marker	4387'	+ 885'
"D" Marker	4622'	+ 650'
"F" Marker	5225'	+ 47'
Basal Limestone	5633'	- 361'
T.D.	5750'	

2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil	D Sands	4622-4750'
Oil	F Marker	5250-5380'
Water	N/A	
Other Mineral Zones	N/A	

All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

ONSHORE ORDER NO.
Enserch Exploration, Inc.
Federal #13-15H
2101' FSL and 779' FWL
NW SW Sec. 15, T9S - R17E
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-74805

DRILLING PROGRAM
Page 2

3. Pressure Control Equipment

Enserch's minimum specifications for pressure control equipment are as follows:

Ram Type: 10" Hydraulic double with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.



Permitco Incorporated
A Petroleum Permitting Company

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 10", 3000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

ONSHORE ORDER NO. 1
Enserch Exploration, Inc.
Federal #13-15H
2101' FSL and 779' FWL
NW SW Sec. 15, T9S - R17E
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-74805

DRILLING PROGRAM
Page 4

4. Proposed Casing and Cementing Program:

- a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.
- b. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- c. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- d. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- e. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.

ONSHORE ORDER NO. 1
Enserch Exploration, Inc.
Federal #13-15H
2101' FSL and 779' FWL
NW SW Sec. 15, T9S - R17E
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-74805

DRILLING PROGRAM

Page 5

- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- l. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

- m. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>New or Used</u>	
						<u>Type</u>	<u>Used</u>
Surface	0-400'	12-1/4"	8-5/8"	24#	J-55	ST&C	New
Produc.	0-5750'	7-7/8"	5-1/2"	15.5#	J-55	LT&C	New

- n. Casing design subject to revision based on geologic conditions encountered.
- o. The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-400'	270 cubic feet Class "G" containing CaCl ₂ and fluid loss. Approx. 15.8 ppg and 1.17 cubic feet/sk.

ONSHORE ORDER NO. 1
Enserch Exploration, Inc.
Federal #13-15H
2101' FSL and 779' FWL
NW SW Sec. 15, T9S - R17E
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-74805

DRILLING PROGRAM
Page 6

Production
0-5750'

Type and Amount

Lead: 1300 cubic feet Light weight cement containing gel, salt and LCM. Approx. 11.1 ppg and 2.82 cubic feet/sk.

Tail: 600 cubic feet Class "G" containing gypsum, retarder and salt. Approx. 14.9 ppg, 1.52 cubic feet/sk.

- p. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.**
- q. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.**
- r. The following reports shall be filed with the District Manager within 30 days after the work is completed.**
 - 1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:**
 - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.**
 - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.**

s. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. No bit float is deemed necessary.
3. A sub with a full opening valve.

5. Mud Program

a. The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-5750'	Wtr./Lime & Gel	8.4-8.8	27-36	N/C	9.0-10.0

There will be sufficient mud on location to control a blowout should one occur.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.

b. Mud monitoring equipment to be used is as follows:

1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.

c. No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

d. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355,

in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

- e. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. Evaluation Program

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated, however, if DST's are run, the following requirements will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

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- b. The following logs will be run:
- | | |
|--------------------------------|------------|
| Laterolog | 0-5750' |
| Microspher Focused Log/Caliper | 3000-5750' |
| Density Log | 3000-5750' |
| Neutron Log | 3000-5750' |
- c. No cores will be run.
- d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).
- e. The anticipated completion program is as follows:
Perforate zones of interest and frac hydrocarbon bearing zones. Flow to tanks.
- f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

7. Abnormal Temperatures or Pressures

- a. The expected bottom hole pressure is 2600 psi.
- b. No hydrogen sulfide gas is anticipated and no abnormal pressures or temperatures are anticipated.

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8. Anticipated Starting Dates and Notification of Operations

- a. Drilling will commence on approximately October 2, 1996.
- b. It is anticipated that the drilling of this well will take approximately 8 days.
- c. The BLM in Vernal, Utah shall be notified of anticipated date of location construction commencement and of anticipated spud date.
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.
- e. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

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- i. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- k. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

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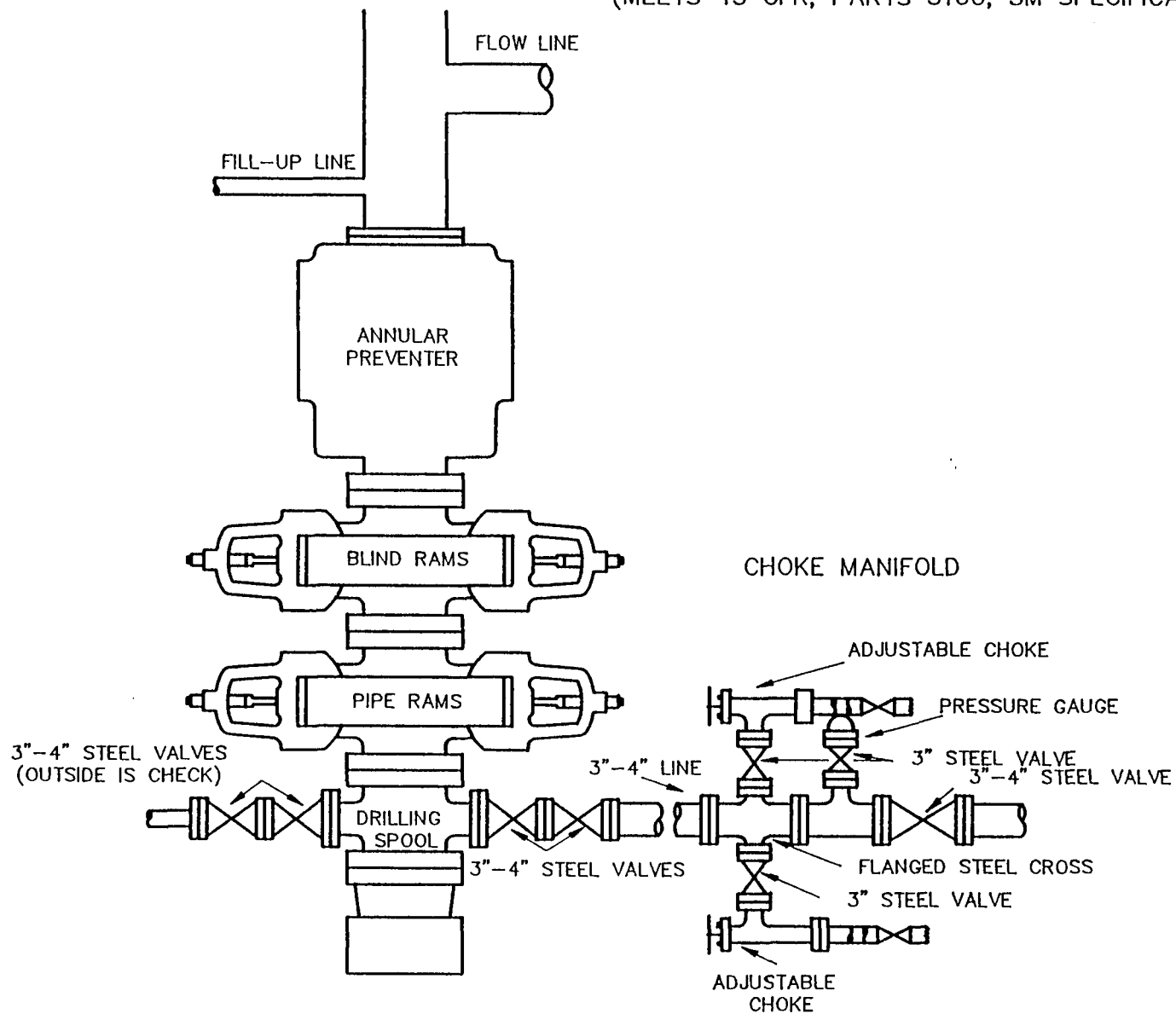
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- o. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.**

THREE PREVENTER HOOKUP
CLASS III
(MEETS 43 CFR, PARTS 3160, 3M SPECIFICATIONS)



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ONSHORE OIL & GAS ORDER NO. 1

Thirteen Point Surface Use Plan

NOTIFICATION REQUIREMENTS

- Location Construction - forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

The onsite inspection for the above mentioned well was conducted on Tuesday, July 23, 1996 at approximately 10:40 a.m. Weather conditions were warm and dry. Present at the onsite inspection were the following individuals:

Byron Tolman	Natural Resource Specialist	BLM
Robert Kay	Surveyor	UELS
Lisa Smith	Permitting Consultant	Permitco Inc.
Dane Hendley	Drilling Supervisor	Enserch Exploration, Inc.
Harley Jackson	Dirt Contractor	Harley Construction
Tony Pummell	Dirt Contractor	Stubbs & Stubbs Const.



1. Existing Roads

- a. The proposed well site is located approximately 16 miles southeast of Myton, Utah.
- b. Directions to the location from Myton, Utah are as follows:

From Myton proceed south on Highway 40 for 1.5 miles. Turn left onto an existing paved road and proceed southerly and then southeasterly for 11.2 miles to the old Castle Peak Mine. Turn right onto an existing oilfield road and proceed south for 2.6 miles. Turn left and continue 1.3 miles. Turn left (just before the #24-15 tank battery) onto the new access road (flagged) and proceed approximately 400 feet until intersecting with an existing oilfield road. Continue northerly for 0.2 miles. Then turn left onto the new access road and proceed west for 0.2 miles to the location.
- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to the existing access will not be necessary.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

2. Planned Access Roads

- a. There will be approximately 600 feet (total) of new access which was flagged at the time of staking.
- b. The maximum grade is approximately 6% or less.
- c. No turnouts are planned.

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- d. No culverts and/or bridges will be required, however, appropriate drain dips or water turnouts will be installed as necessary to control erosion.
- e. The need for surfacing material is not anticipated.
- f. No cattleguards will be necessary.
- g. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- h. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- i. The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- j. A road right of way application will not be required as all roads are county maintained or are covered under ROW #UTU-50832.



Permitco Incorporated
A Petroleum Permitting Company

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3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location.
(See Map #C).

- a. Water wells - none
- b. Injection wells - none
- c. Producing wells - eight
- d. Drilling wells - none
- e. Shut-in wells - one
- f. Temporarily abandoned wells - none
- g. Disposal wells - none
- h. Dry Holes - two

4. Location of Tank Batteries and Production Facilities.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Desert Tan (10YR6/3). All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the wellpad shall be surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. A production facilities diagram is attached.

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- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.
- f. Any necessary pits will be properly fenced to prevent any wildlife entry.
- g. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- h. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- i. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- j. The road will be maintained in a safe useable condition.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from either the U.G.W. (well) located in Section 27, T1S - R2W (Permit No. 84-43-73 t 14099) or Gorman Draw Reservoir in Section 12, T4S - R2W, (Permit No. 47-1437 t20196).
- b. Water will be hauled to location over the roads marked on Maps A and B.
- c. No water well is to be drilled on this lease.
- d. A copy of the approved water permits are attached.

6. Source of Construction Material

- a. Surface and subsoil materials in the immediate area will be utilized.
- b. Any gravel used will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.

7. Methods of Handling Waste Disposal

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- b. A reserve pit liner will be installed if deemed necessary (due to possible blasting of the reserve pit) at the time of pit construction to conserve fluid loss. If a liner is utilized, it will be a minimum of 10 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- g. A chemical porta-toilet will be furnished with the drilling rig.
- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

8. Ancillary Facilities

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. The reserve pit will be located on the southeast side of the location as shown on the location layout diagram.
- b. The flare pit will be located downwind of the prevailing wind direction and will be a minimum of 100 feet from the well head and will be a minimum of 35 feet from the reserve pit fence.
- c. Approximately six inches of topsoil will be stripped and wind rowed along the north side of the location as shown on the location layout.
- d. Access to the wellpad will be from the southwest as shown on the attached rig layout.
- e. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.

- f. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles is shown on the Location Layout.
- g. All pits will be fenced according to the following minimum standards:
 - 1. 39 inch net wire shall be used with at least one strand or barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
 - 2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
 - 3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
 - 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- h. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

10. Plans for Restoration of Surface

Producing Location

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.

- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- c. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.
- d. At the time of reclamation and final abandonment, the Bureau of Land Management will provide an appropriate seed mixture.

Dry Hole

- e. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attached the appropriate surface rehabilitation conditions of approval.

11. Surface Ownership

Access Roads - All roads are County maintained or a located on BLM lands covered under ROW #UTU-50832.

Wellpad - The well pad is located on lands owned by the BLM.

12. Other Information

- a. A Class III archeological survey was conducted by Metcalf Archeological Consultants. Cultural resources were found during the survey, however, they are considered not eligible for the historic register, therefore, clearance has been recommended. A copy of this report is attached.

- b. The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
- whether the materials appear eligible for the National Register of Historic Places;
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
 - a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.
- c. Pursuant to 43 CFR 10.4 (g) the holder of this authorization must notify the authorized officer, by telephone, with written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4 (c) and (d), you must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the authorized officer.
- d. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension

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Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- e. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.**
- f. A silt catchment dam and basin will be constructed according to BLM specifications approximately 300' north of the location where flagged. A copy of the BLM specifications, "Minimum Standards for Dams Impounding Under 10 Acre Feet" is attached hereto.**
- g. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.**
- h. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.**
- i. This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.**
- j. The operator or his contractor shall contact the BLM Offices at 801/789-1362 48 hours prior to construction activities.**
- k. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.**

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1. In the event after-hours approvals are necessary, please contact one of the following individuals:

Wayne Bankert	Petroleum Engineer	801/789-4170
Ed Forsman	Petroleum Engineer	801/789-7077
BLM Fax Machine		801/781-4410

13. Lessee's or Operator's Representative and Certification

Permit Matters
PERMITCO INC.
Lisa L. Smith
13585 Jackson Drive
Denver, CO 80241
303/452-8888

Drilling Matters
ENSERCH EXPLORATION, INC.
4849 Greenville, Suite 1200
Suite 1200
Dallas, TX 75206
Dane Hendley - 214/987-6430

Completion & Production Matters
ENSERCH EXPLORATION, INC.
85 South 200 East
Vernal, Utah 84078
Randy Miller - 801/789-5192

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Enserch Exploration, Inc. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

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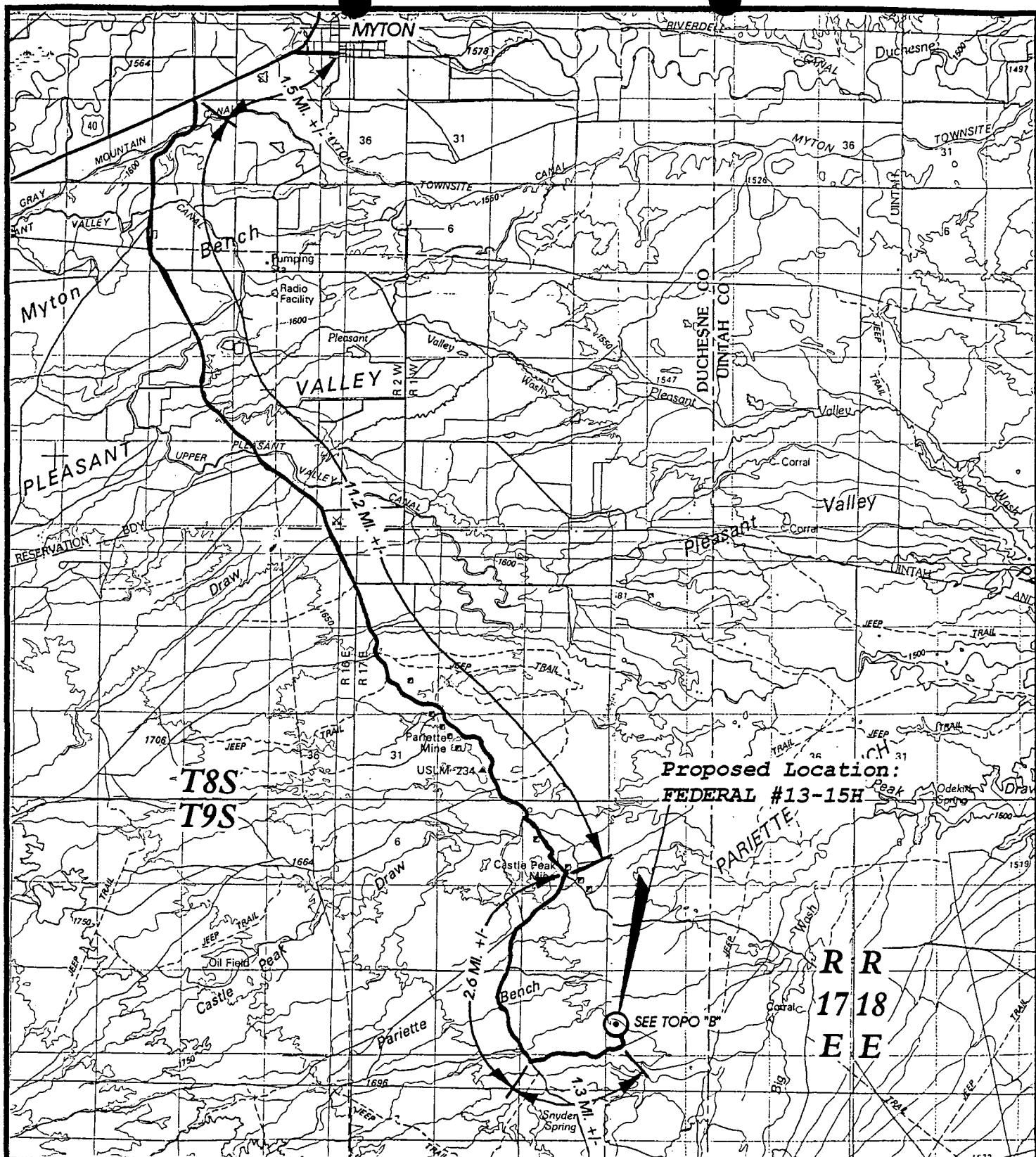
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This statement is subject to the provisions of 18.U.S.C. 1001 for the filing of a false statement.

August 6, 1996
Date:



Lisa L. Smith - PERMITCO INC.
Authorized Agent for:
Enserch Exploration, Inc.



UELS

TOPOGRAPHIC
MAP "A"

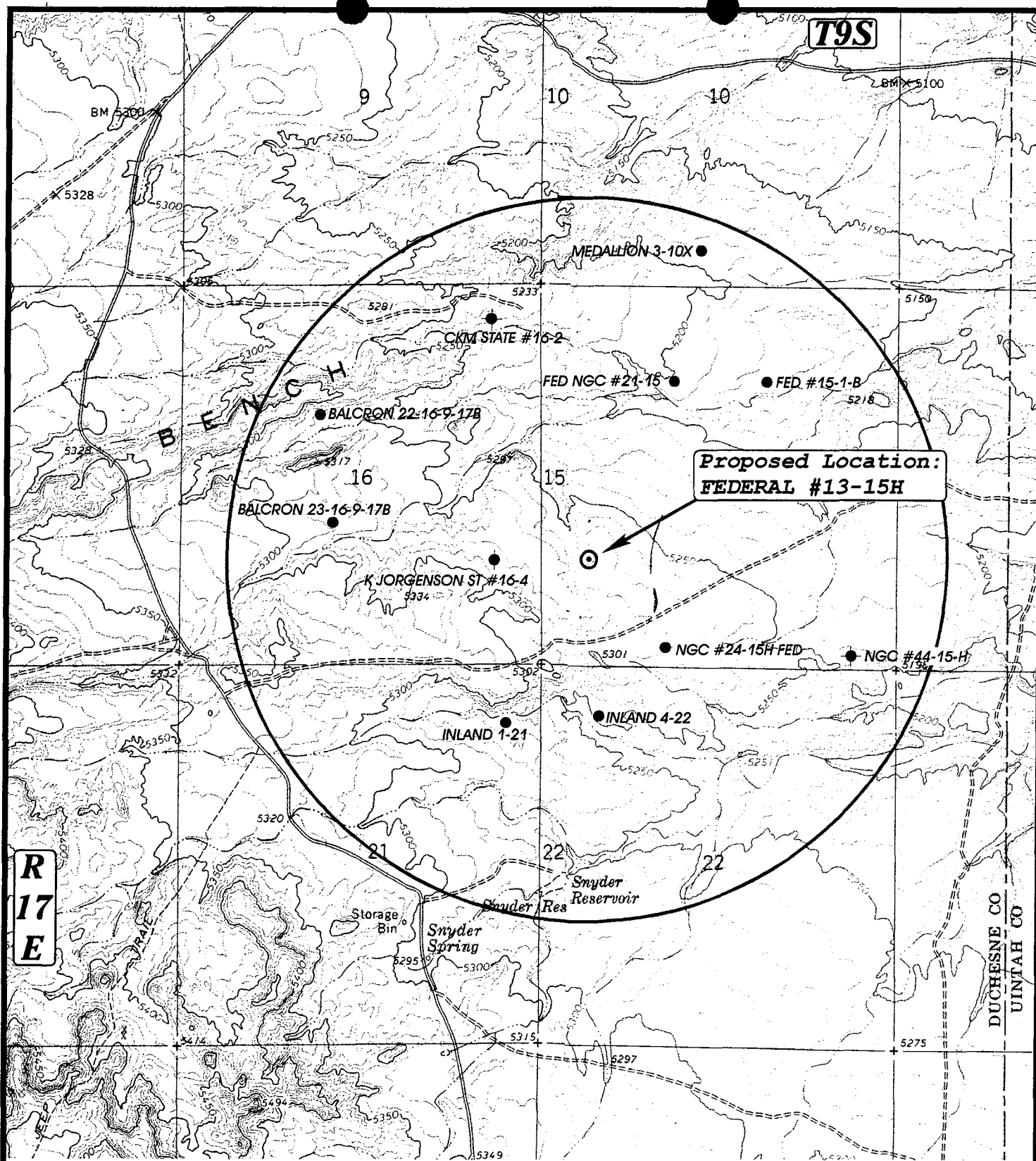
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UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



ENSERCH EXPLORATION, INC.

FEDERAL #13-15H
SECTION 15, T9S, R17E, S.L.B.&M.
2101' FSL 779' FWL



LEGEND:

WELLS

- Water Wells
- Abandoned Wells
- Temporarily Abandoned Wells
- Disposal Wells
- Drilling Wells
- Producing Wells
- Shut-In Wells

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SCALE: 1" = 2000'

ENSERCH EXPLORATION, INC.

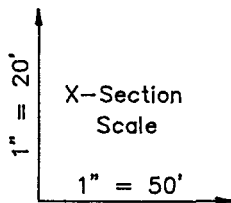
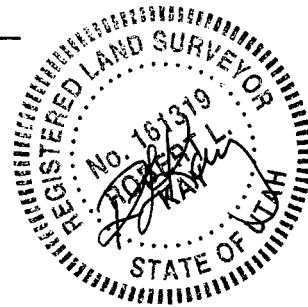
FEDERAL #13-15H
SECTION 15, T9S, R17E, S.L.B.&M.
TOPOGRAPHIC
MAP "C"

DATE: 7-15-96 by D.COX
Revised: 7-30-96 by C.B.T.

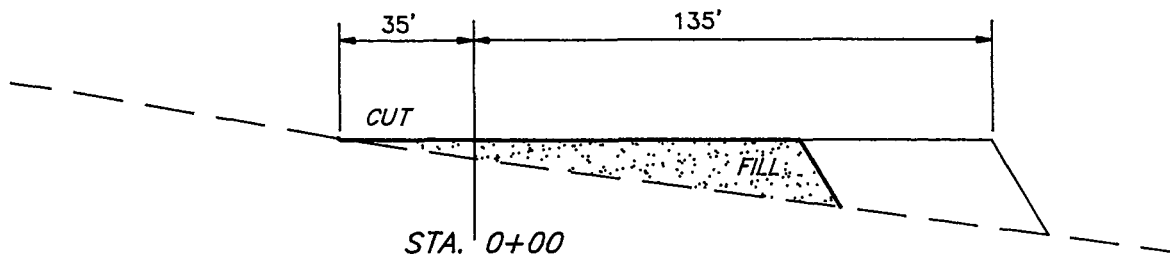
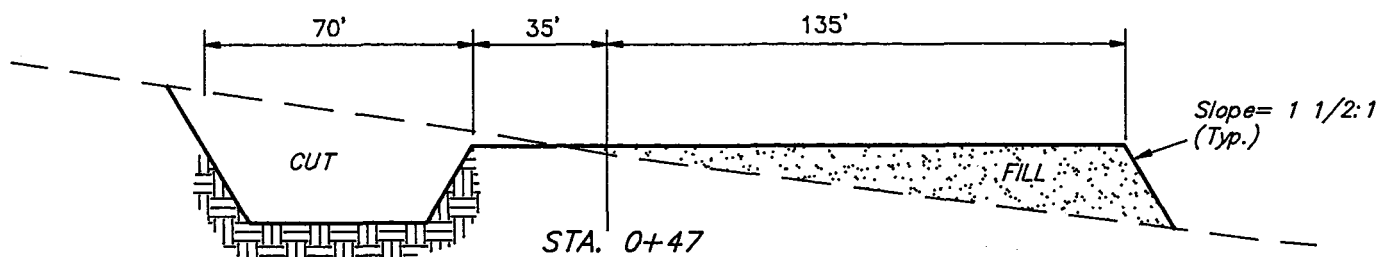
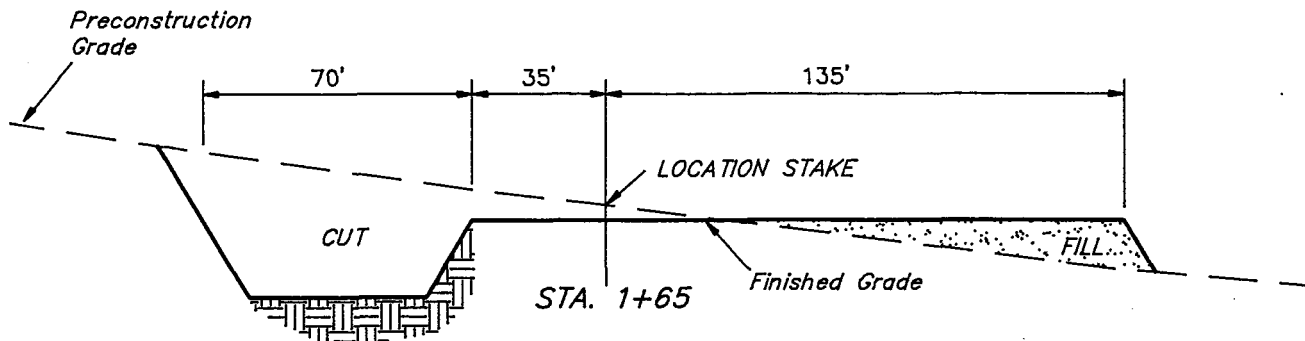
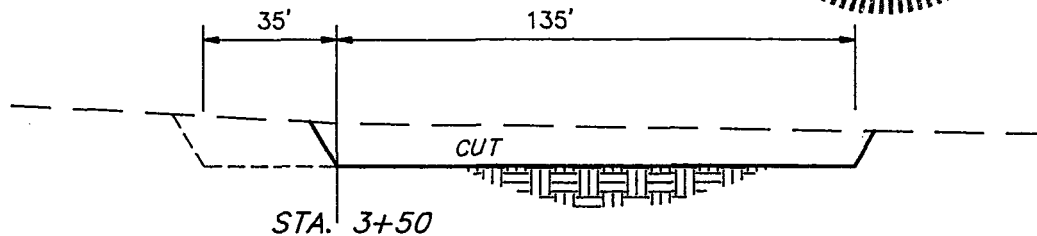
ENSERCH EXPLORATION, INC.

TYPICAL CROSS SECTIONS FOR

FEDERAL #13-15H
SECTION 15, T9S, R17E, S.L.B.&M.
2101' FSL 779' FWL



DATE: 7-15-96
Drawn By: D.R.B.



APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,300 Cu. Yds.
Remaining Location	= 6,010 Cu. Yds.
TOTAL CUT	= 7,310 CU.YDS.
FILL	= 4,790 CU.YDS.

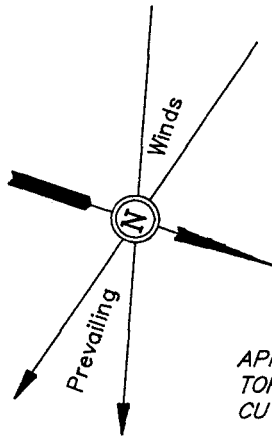
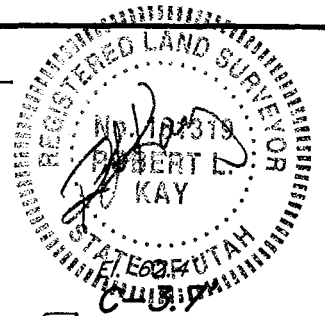
EXCESS MATERIAL AFTER 5% COMPACTION	= 2,270 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,270 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 South 200 East Vernal, Utah (801) 789-1017

ENSERCH EXPLORATION, INC.

LOCATION LAYOUT FOR

FEDERAL #13-15H
SECTION 15, T9S, R17E, S.L.B.&M.
2101' FSL 779' FWL



SCALE: 1" = 50'
DATE: 7-15-96
Drawn By: D.R.B.
Revised: 7-25-96 D.R.B.

FLARE PIT
Min. 110' from
rig substructure.

C-15.4'
El. 66.1'
(Btm. Pit)

El. 64.0'
C-5.3'

El. 63.2'
C-4.5'

C-3.2'
El. 61.9'

C-1.6'
El. 60.3'

C-13.6'
El. 64.3'
(Btm. Pit)

C-1.4'
El. 60.1'

C-0.2'
El. 58.9'

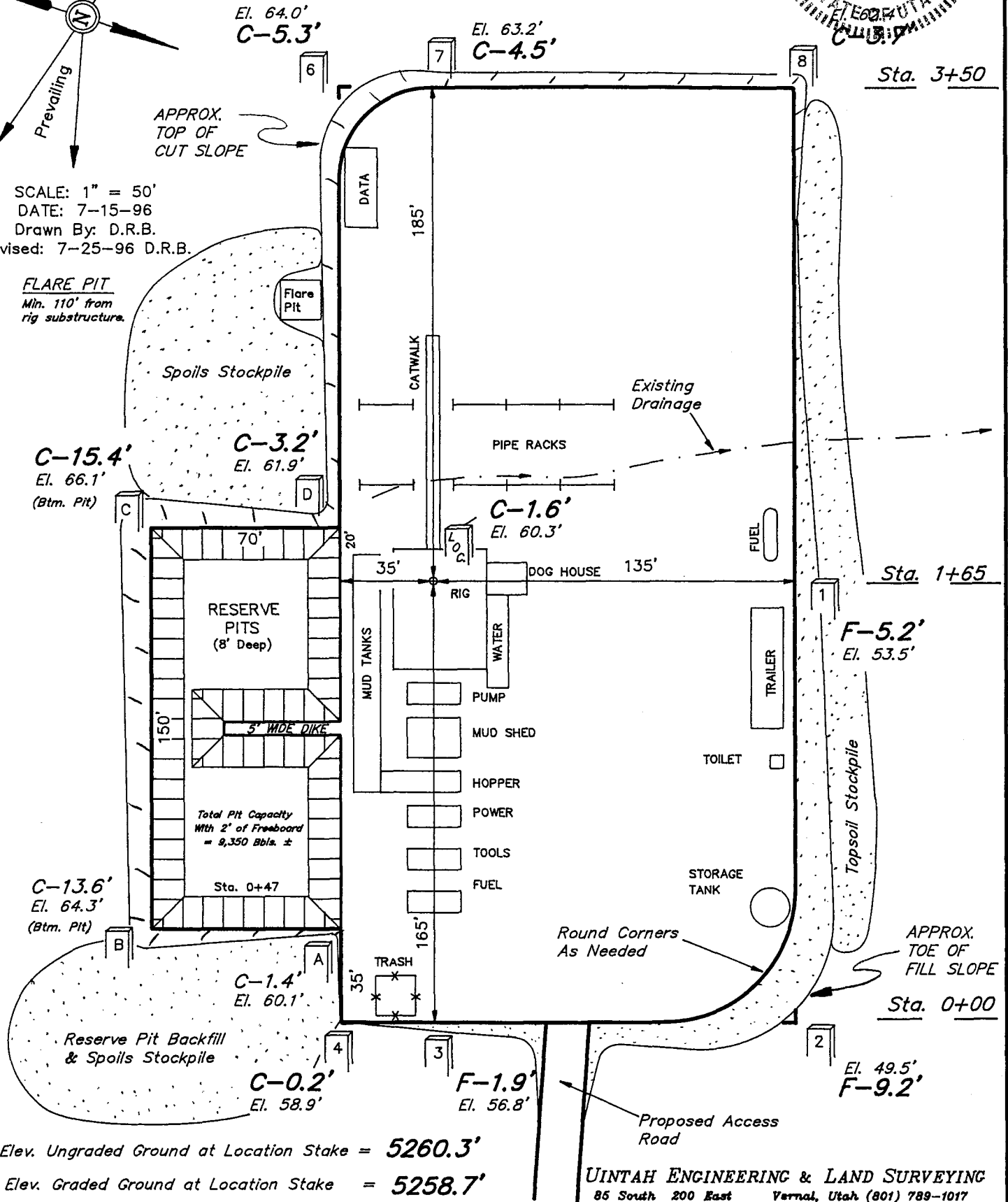
F-1.9'
El. 56.8'

F-5.2'
El. 53.5'

F-9.2'
El. 49.5'

Elev. Ungraded Ground at Location Stake = **5260.3'**
Elev. Graded Ground at Location Stake = **5258.7'**

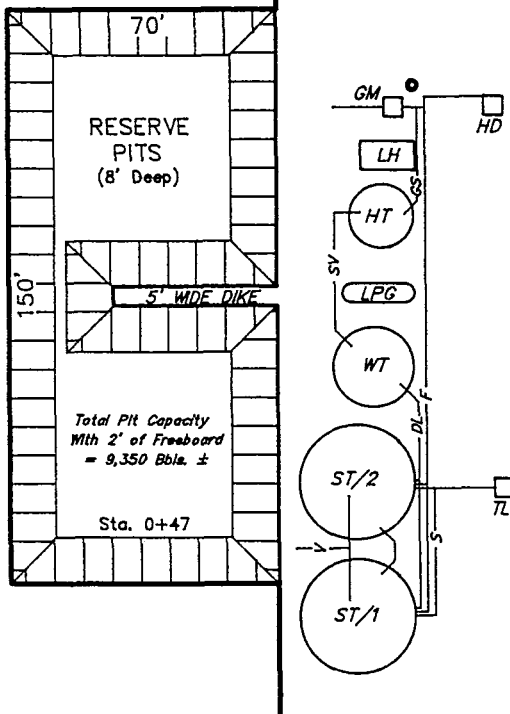
UINTAH ENGINEERING & LAND SURVEYING
85 South 200 East Vernal, Utah (801) 789-1017



ENSERCH EXPLORATION, INC.
TYPICAL PRODUCTION FACILITY LAYOUT

SCALE: 1" = 50'
DATE: 7-30-96
Drawn By: C.B.T.

Sta. 3+50



Sta. 1+65

Sta. 0+00

MINIMUM STANDARDS FOR DAMS IMPOUNDING UNDER 10 AC. FT.

I. Site Location and Design

- A. Authorized BLM personnel shall approve site location, fill material, foundation material, and spillway size and location.
- B. Construction shall be per attached diagram.

II. Borrow Areas

- A. Borrow material shall be taken from within the reservoir basin below high water line whenever possible.
- B. Vegetation, debris and topsoil shall be removed to a depth of 12 inches below natural ground line and deposited as directed.
- C. Vegetation, debris and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line or spread on downstream side of dam.
- D. Borrow areas above the high water line shall be contoured to blend into natural ground lines.

III. Core Trench and Dam Foundation

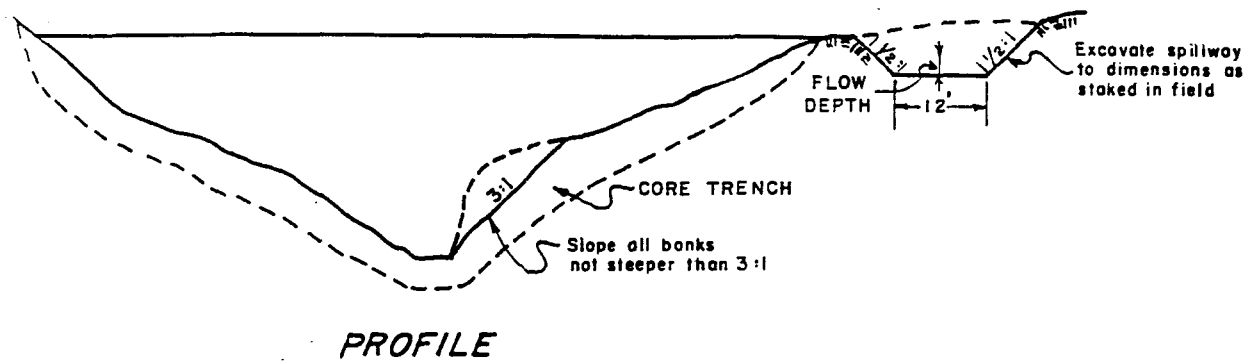
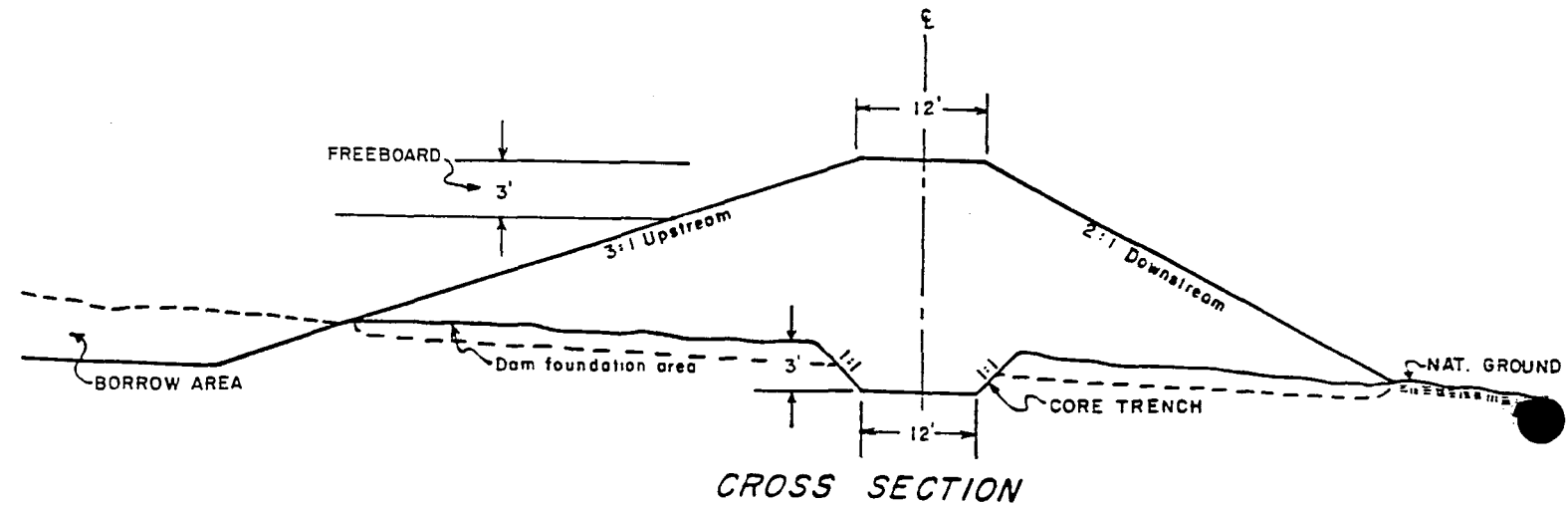
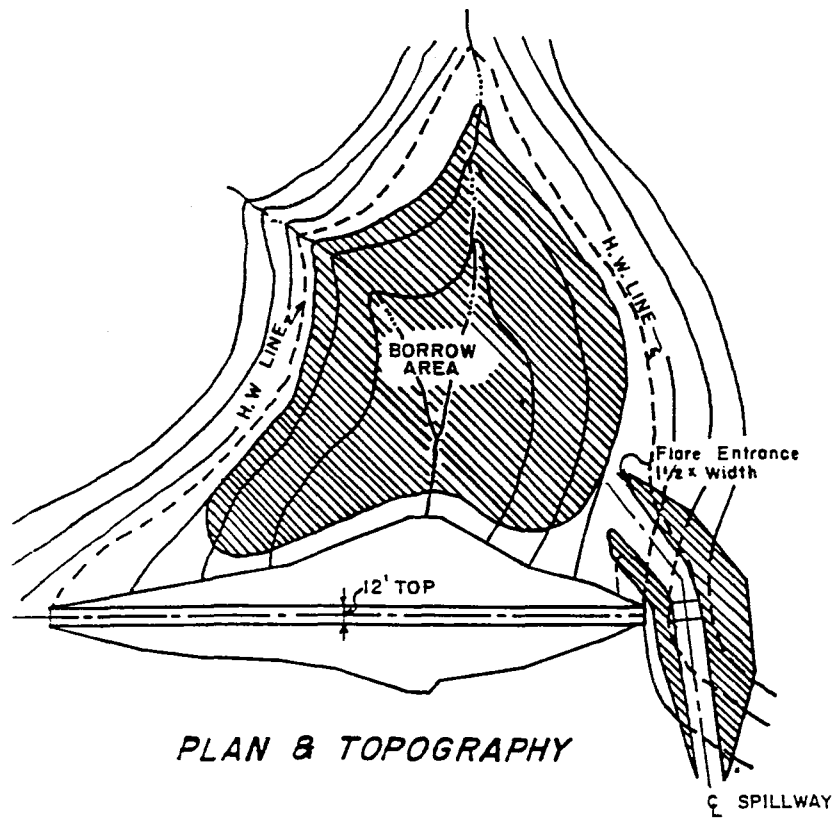
- A. A core trench shall be constructed 12 feet wide along the full length of the dam center line to a minimum depth of 3 feet or bedrock.
- B. Sides of the core trench shall be no steeper than 1:1 slope.

IV. Dam and Core Fill

- A. Fill shall be homogeneous material, preferably of high impervious, compactable soils (such as high clay content soil free of organic material, sand or rock).
- B. Lifts of fill shall not exceed 6 inches when compacted.
- C. Fill shall be built up at a consistent rate the full length of the dam.
- D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
- E. Downstream side of the dam shall be no steeper than 2:1 slope. Upstream side of the dam shall be no steeper than 3:1 slope.
- F. Top of the dam shall be a minimum of 12 feet wide.
- G. Maximum water depth against the dam shall be 10 feet when constructed with a crawler tractor.

V. Spillway

- A. Spillway shall be constructed through natural material.
- B. Spillway shall be constructed to divert overflow away from fill material or natural material that is an integral part of the dam.
- C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.
- D. Construct spillway so there is a minimum of 3 feet of freeboard on the dam.



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
RETENTION DAM TYPICAL PLAN & SECTION	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ CHIEF, DIV. OF ENG.
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

**Enserch Exploration, Inc. Federal #13-15H
Class III Cultural Resource Inventory,
Section 15, T.9S R.17E
Duchesne County, Utah**

Prepared by,
Dulaney Barclay
Metcalf Archaeological Consultants, Inc.
Eagle, Colorado

Prepared for,
Permitco
13585 Jackson Dr.
Denver, Colorado 80241

Utah Project #U-96-MM-0385(b)

July 1996

INTRODUCTION

Metcalf Archaeological Consultants, Inc. (MAC), conducted a Class III cultural resource inventory for Permitco of the proposed Ensearch Exploration, Inc. Federal #13-15H well location in Duchesne County, Utah (Figure 1). The well pad is located in the NW¼ of the SW¼ of section 15, T.9S, R.17E off the Salt Lake Meridian (2101' FSL, 779' FWL) on top of Pariette Bench south of Myton, Utah and west of the Green River. A ten acre block was inventoried around the proposed well location. A total of 2100 feet of access road was inventoried amounting to 4.7 acres. The initial 1400 feet of proposed access road proceeds north from the existing NGC #24-15H well pad using an existing road to which upgrading is planned. Approximately 700 feet of new access was inventoried extending directly west from this existing road to the proposed well pad location. The total acreage inventoried for this project was 14.7 acres that resulted in one site and two isolated finds being recorded.

This project is located entirely on federal lands administered by the Bureau of Land Management, Vernal District. The survey was conducted on July 16, 1996 by MAC archaeologist Dulaney Barclay. All field notes and maps are on file at the MAC office in Eagle, Colorado.

STATEMENT OF OBJECTIVES

Following the mandated policies implementing the National Historic Preservation Act of 1966 (NHPA [Public Law 89-665]), as amended, this project was inventoried to locate any cultural resources within the potential area of effect. Any discovered cultural resources were to be evaluated for eligibility to the National Register of Historic Places (Register). To be eligible for the National Register, the resource must retain essential aspects of integrity and meet one or more of the Criteria for Eligibility (36 CFR §60.4). For archaeological resources, eligibility is typically recommended under Criterion d, on the basis of the information potential of surface artifacts and features, and intact sub-surface cultural deposits. Historical resources may be evaluated under any of the four Criteria on the basis of information potential or significant historic associations.

ENVIRONMENT

The project area is in an upland area west of the Green River within the Uinta Basin. The general area is characterized by numerous broad upland benches separated by shallow draws with rugged margins and broad, shallow valleys. The well pad is located on the gentle north facing slope of low ridge on top of a high, upland bench (Pariette Bench) that borders a broad, upland flat (Eightmile Flat) on the west. Drainage in the area consists of numerous northeast flowing intermittent small drainages that empty into Big Wash which flows northeast into Castle Peak Draw. This draw in turn flows east into the Green River

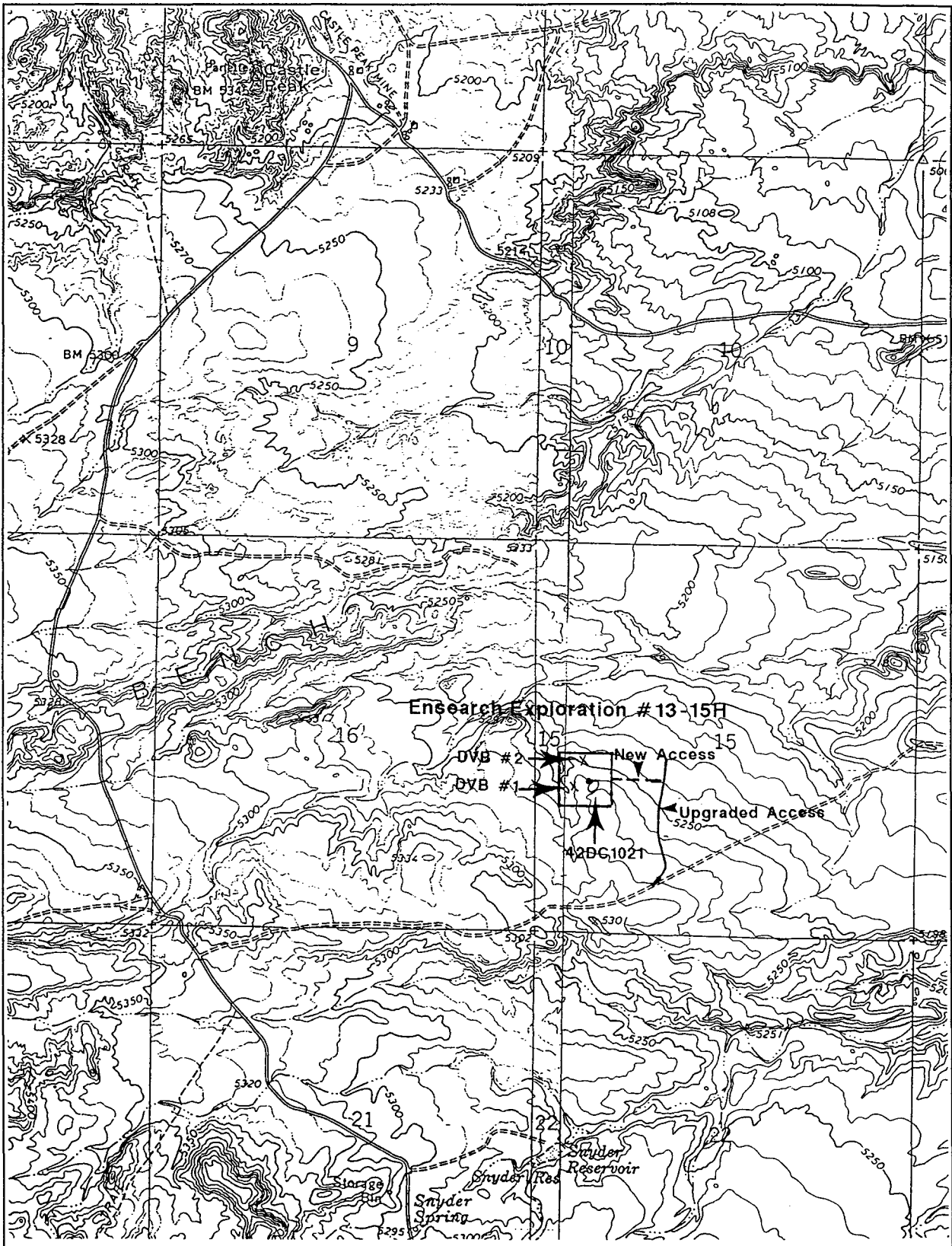


Figure 1 Ensearch Exploration, Inc. Federal #13-15H, T.9S, R.17E, Pariette Draw SW & Myton SE, 1964 USGS 7.5' Quads.

approximately thirteen miles away. The area is underlain by Tertiary aged bedrock of sandstones and clays (Hintze 1980). A light colored brown sandstone outcrops immediately adjacent to the well location on top of the low ridge south of the pad centerstake. Vegetation on the well pad consists of a sparse cover (10-20%) of low sagebrush, rabbitbrush, thorny horsebrush, greasewood, ricegrass, and cactus. Surface visibility was good to excellent. The soil on the site consists of a thin, light brown sheet sand that overlies sandy, light colored, regolith and sandstone bedrock.

FILE SEARCH

A files search was conducted through the Division of State History in Salt Lake City on July 12, 1996 and at BLM, Vernal District Office in Vernal on July 16, 1996. These files searches indicated that five block surveys (four 40 acre blocks and one ten acre block and access) and two linear surveys (one pipeline by Sagebrush Archaeology in 1983 and one seismic line by BYU in 1982) were conducted in section 15. None of the previous inventory blocks covered the current project area, and no previously recorded sites were indicated in the section on either files search.

FIELD METHODS

A ten acre block was inventoried around the centerstake. The block was inventoried by a series of parallel pedestrian transects spaced not more than 15 meters apart. Special attention was paid to areas of enhanced subsurface visibility, such as eroded areas, rodent backdirt piles, road tracks, and animal trails. When cultural resources were encountered, the area was carefully inspected to define the boundaries and content of the resource. Sites are defined as five or more artifacts, a feature, a structure, or a building or any combination of these items. Isolated finds are defined as five or less artifacts that are not representative of patterned human behavior. Once the content, extent and type of resource has been determined, the appropriate forms are filled out. Isolated and diagnostic artifacts are drawn and sketch maps are made of sites. A black and white overview is also taken of sites from two directions. Site are marked with a datum consisting of a piece of white pvc pipe with a metal tag attached bearing the temporary site number.

RESULTS

Two historic isolated finds (DVB-1 & 2) and one prehistoric site were discovered during inventory of the Enserch Exploration Federal #13-15H. The isolated find consist of two flip top cigar cans located north and west of the pad centerstake. The suggested dates for the cans is 1910-1920 and they are believed to be related to shepherding activity. Isolated finds are by definition not eligible for inclusion on the National Register and no further work is recommended.

The prehistoric site (42DC1021) consists of a sparse, discrete scatter of seven lithic flakes associated with the surficial sand sheet deposit on the north facing ridgeslope below the sandstone outcrop. The artifacts are dispersed in a rough elliptical pattern downslope from the base of the sandstone outcrop to the pad centerstake. Most of the flakes (4) are located at the upper (south) end of the site. The flakes are predominately primary and secondary flakes of a white & gray chert. No tools or features were observed. A line of shovel probes through the site at 10 meter intervals indicates the sand deposit has a maximum depth of 62cmbs, and that the site is equally sparse in the subsurface and confined to the upper 15cm of the aeolian deposit. The site represents the remains of an extremely ephemeral episode of lithic reduction. The site is judged to be not significant and not eligible for inclusion on the National Register based on the sparseness of the remains, lack of diversity, and little depth to the deposits.

RECOMMENDATIONS

Cultural resource clearance is recommended for the Enserch Exploration, Inc. Federal #13-15H well project. The isolated finds are by definition not eligible for the National Register. The single prehistoric site found at the pad location has no further information potential and is therefore judged to be ineligible for the National Register. No further work is recommended.

REFERENCES CITED

Hintze, Lehi
1980 *Geologic Map of Utah*. Utah Geological and Mineral Survey, Salt Lake City.
 UT.

Appendix A
Site Forms
(Limited Distribution)

A Wastewater Permit Application will be filed with the Uintah Basin District Health Department in Duchesne once the drilling contractor has been determined.



APPLICATION FOR PERMANENT CHANGE OF WATER

STATE OF UTAH

RECEIVED

APR 17 1987

Rec. by

Fee Paid \$

Receipt #

Roll #

For the purpose of obtaining permission to make a permanent change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

*WATER USER CLAIM NO. 43-9974 *APPLICATION NO. 8-14289

Changes are proposed in (check those applicable)

☐ point of diversion.

☐ point of return.

☒ place of use.

☒ nature of use.

1. OWNER INFORMATION

Name: Owen Dale Anderson

*Interest: %

Address: PO Box 1168 Vernal UT 84078

2. *PRIORITY OF CHANGE: *FILING DATE:

*Is this change amendatory? (Yes/No):

3. RIGHT EVIDENCED BY: 43-3525

Prior Approved Change Applications for this right: 83-43-21 84-43-73 6-14099

***** HERETOFORE *****

4. QUANTITY OF WATER: 0.5 cfs and/or ac-ft.

5. SOURCE: U.G.W. (well)

6. COUNTY: Duchesne

7. POINT(S) OF DIVERSION: South 1167 ft East 340 ft from N 1/4 Corner
Section 27 T1S, R2W, US&M

Description of Diverting Works:

8. POINT(S) OF REDIVERSION

The water will be rediverted from at a point:

Description of Diverting Works:

9. POINT(S) OF RETURN

The amount of water consumed is cfs or ac-ft.

The amount of water returned is cfs or ac-ft.

The water will be returned to the natural stream/source at a point(s):

*These items are to be completed by Division of Water Rights.

Permanent Change

4 acre feet

10. NATURE AND PERIOD OF USE

Stockwatering: From Jan 1 to Dec 31
 Domestic: From _____ to _____
 Municipal: From _____ to _____
 Mining: From _____ to _____
 Power: From _____ to _____
 Other: From Jan 1 to Dec 31
 Irrigation: From April 1 to Oct 31

11. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): 250 Livestock Units

Domestic: _____ Families and/or _____ Persons.

Municipal (name): _____

Mining: _____ Mining District in the _____ Mine.

Ores mined: _____

Power: Plant name: _____ Type: _____ Capacity: _____

Other (describe): drilling & completion of oil field locations fish culture

Irrigation: 55.7 acres. Sole supply of _____ acres

12. PLACE OF USE

Legal description of areas of use other than irrigation by 40 acre tract: n/a

13. STORAGE

Reservoir Name: unnamed Storage Period: from 11-1 to 3-31

Capacity: 4.0 ac-ft. Inundated Area: _____ acres

Height of dam: _____ feet

Legal description of inundated area by 40 tract: NW NE Sec 27, T15 R2W 45E+11

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 20.0 ac-ft

15. SOURCE: UGW Remaining Water: same

16. COUNTY: Duchesne

17. POINT(S) OF DIVERSION: same

Description of Diverting Works: _____

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water consumed is _____ cfs or _____ ac-ft

The amount of water returned is _____ cfs or _____ ac-ft

The water will be returned to the natural stream/source at a point(s): _____

20. NATURE AND PERIOD OF USE

Stockwatering: From _____ to _____

Domestic: From _____ to _____

Municipal: From _____ to _____

Mining: From _____ to _____

Power: From _____ to _____

Other: From Jan 1 to Dec 31

Irrigation: From _____ to _____

21. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): _____

Domestic: _____ Families and/or _____ Persons

Municipal (name): _____

Mining: _____ Mining District in the _____ Mine

Ores mined: _____

Power: Plant name: _____ Type: _____ Capacity: _____

Other (describe): drilling and completion of oil wells

Irrigation: _____ acres. Sole supply of _____

22. PLACE OF USE

Legal description of areas of use by 40 acre tract: _____

Other: hauled to locations by water trucks as needed

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____

Capacity: _____ ac-ft. Inundated Area: _____ acres

Height of dam: _____ feet

Legal description of inundated area by 40 tract: _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): _____

Change is for oilfield drilling and exploration.

Approximately 4 acre ft³ will be taken from

irrigation purposes and used for oilfield purposes

Acres to be irrigated will change from 55.7 to 50 acres because of the change in use. 53.7 48.7

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH

REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME JUL 11 1995

(Before Fourteen Years)

DIVISION OF WATER RIGHTS
VERNAL, UTAHWATER RIGHT NO. **43-9974 (a14289)** APPLICANT: **Owen Dale Anderson**STATE OF UTAH
COUNTY OF**Duchesne**Robert Williams
C/O Dalbo Inc. P.O.Box 1188
Vernal, UT 84078

Cindy Young, being first duly sworn that he or she is the (agent of the) owner of the above number application; that the information given is true and correct to the best of his or her knowledge.

Describe briefly the type, extent, and cost of construction completed to date, and the estimated cost of any remaining construction to complete the project and to submit PROOF of BENEFICIAL USE. Give reasons why the work could not be completed and water put to beneficial use within the time allowed.

Robert Williams recently purchased the property from Owen Dale Anderson and

was not notified regarding the proof due notices until after June 30, 1995.

Therefore, we are requesting a reinstatement of the water right and an extension

of time to clear the title work and file proof.

Pursuant to Section 73-3-12, Utah Code Annotated 1953 (as amended), request is made for REINSTATEMENT and EXTENSION OF TIME for filing proof from

June 30, 19 95 to June 30, 19 98.

Cindy Young
APPLICANT (if a corporation, give title of officer signing)

Subscribed and sworn to before me this 11th day of July, 1995.

Bessie M. White
NOTARY PUBLIC

FOR OFFICE USE ONLY

PROOF DUE DATE: **June 30, 1995**14 YEAR PERIOD ENDS: **October 28, 2002**

\$25 FEE REC'D. _____ BY _____ COMPUTER _____

REMARKS _____

RECOMMENDED DISPOSITION

PLEASE RETURN TO: DIVISION OF WATER RIGHTS-VERNAL OFFICE-State & County Bldg.*152 East 100 North-Vernal, Utah 84078*(801)781-5327.

APPLICATION FOR TEMPORARY CHANGE OF WATER

STATE OF UTAH

Rec. by _____

Fee Paid \$ _____

Receipt # _____

Microfilmed _____

Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t20196

WATER RIGHT NUMBER: 47 - 1437

This Change Application proposes to change the POINT(S) OF DIVERSION, PLACE OF USE, and NATURE OF USE.

1. OWNERSHIP INFORMATION.

A. NAME: Keith Hicken
c/o Dalbo Inc.
ADDRESS: Route 3, Myton, UT 84052

B. PRIORITY OF CHANGE: July 15, 1996

FILING DATE: July 15, 1996

C. EVIDENCED BY:
A26762

DESCRIPTION OF CURRENT WATER RIGHT:

2. SOURCE INFORMATION.

A. QUANTITY OF WATER: 1.85 cfs

B. SOURCE: Gorman Draw

COUNTY: Duchesne

C. POINT OF DIVERSION -- SURFACE:

(1) N 475 feet W 40 feet from SW corner, Section 12, T 4S, R 2W, UEBM

3. STORAGE. Water is diverted for storage into:

(1) Gorman Draw reservoir, from Jan 1 to Dec 31.

CAPACITY: 80.000 ac-ft.

Area inundated includes all or part of the following legal subdivisions:

BASE TOWN RANG SEC	NORTH-WEST				NORTH-EAST				SOUTH-WEST				SOUTH-EAST			
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE
SL 4S 2W 13				***					***			X	X	***		X
13	X	X		***	X				***				***			

Temporary Change

CHANGE APPLICATION NUMBER: t20196 for Water Right: 47 - 1437 continued+**** Page: 3

PLACE OF USE. Changed as Follows:

11. SIGNATURE OF APPLICANT(S).

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application, through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Keith Hickey by Ken Rice
Signature of Applicant(s)

CHANGE APPLICATION NUMBER: E20196

for Water Right: 47 - 1437 continued***** Page: 3

4. WATER USE INFORMATION.

The Water Right represented by this change application is SUPPLEMENTAL to other Water Rights.

IRRIGATION: from Apr 15 to Oct 15. IRRIGATING: 82.7000 acres.
 SOLE SUPPLY: 50.0000 acres

5. PLACE OF USE. (Which includes all or part of the following legal subdivisions:)

BASE TOWN RANG SEC	NORTH-WEST¼				NORTH-EAST¼				SOUTH-WEST¼				SOUTH-EAST¼			
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE
SL 4S 2W 12				***					***				***		X	X
13				***	X				***				***	X		

6. EXPLANATORY.

FLOW: Claims 1350 and 1437 limited to a combined flow of 1.85 c.f.s.

 * THE FOLLOWING CHANGES ARE PROPOSED:

7. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 4.0 acre-feet REMAINING WATER: Same as HERETOFORE
- B. SOURCE: Unnamed Pond and ditch COUNTY: Duchesne
- C. POINTS OF DIVERSION -- SURFACE: Changed as Follows:
 (1) N 475 feet W 40 feet from SW corner, Section 12, T 4S, R 2W, USBM
 DIVERT WORKS: Pond
 (2) N 2000 feet W 475 feet from SE corner, Section 12, T 4S, R 2W, USBM
 DIVERT WORKS: ditch below pond
- D. COMMON DESCRIPTION: 4 miles south of Myton

8. STORAGE. Same as HERETOFORE

9. WATER USE INFORMATION. Changed as Follows:

OIL EXPLORATION from 04/18/96 to 04/17/97. Drilling and completion of wells in the
 Monument Buttes & South Myton Areas.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/08/96

API NO. ASSIGNED: 43-013-31698

WELL NAME: FEDERAL 13-15H

OPERATOR: ENSEARCH EXPLORATION (N4940)

PROPOSED LOCATION:

NWSW 15 - T09S - R17E
SURFACE: 2101-FSL-0779-FWL
BOTTOM: 2101-FSL-0779-FWL
DUCHESNE COUNTY
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED

LEASE NUMBER: U - 74805

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number MT 0680)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number 47-1437)
☒ RDCC Review (Y/N)
(Date: _____)

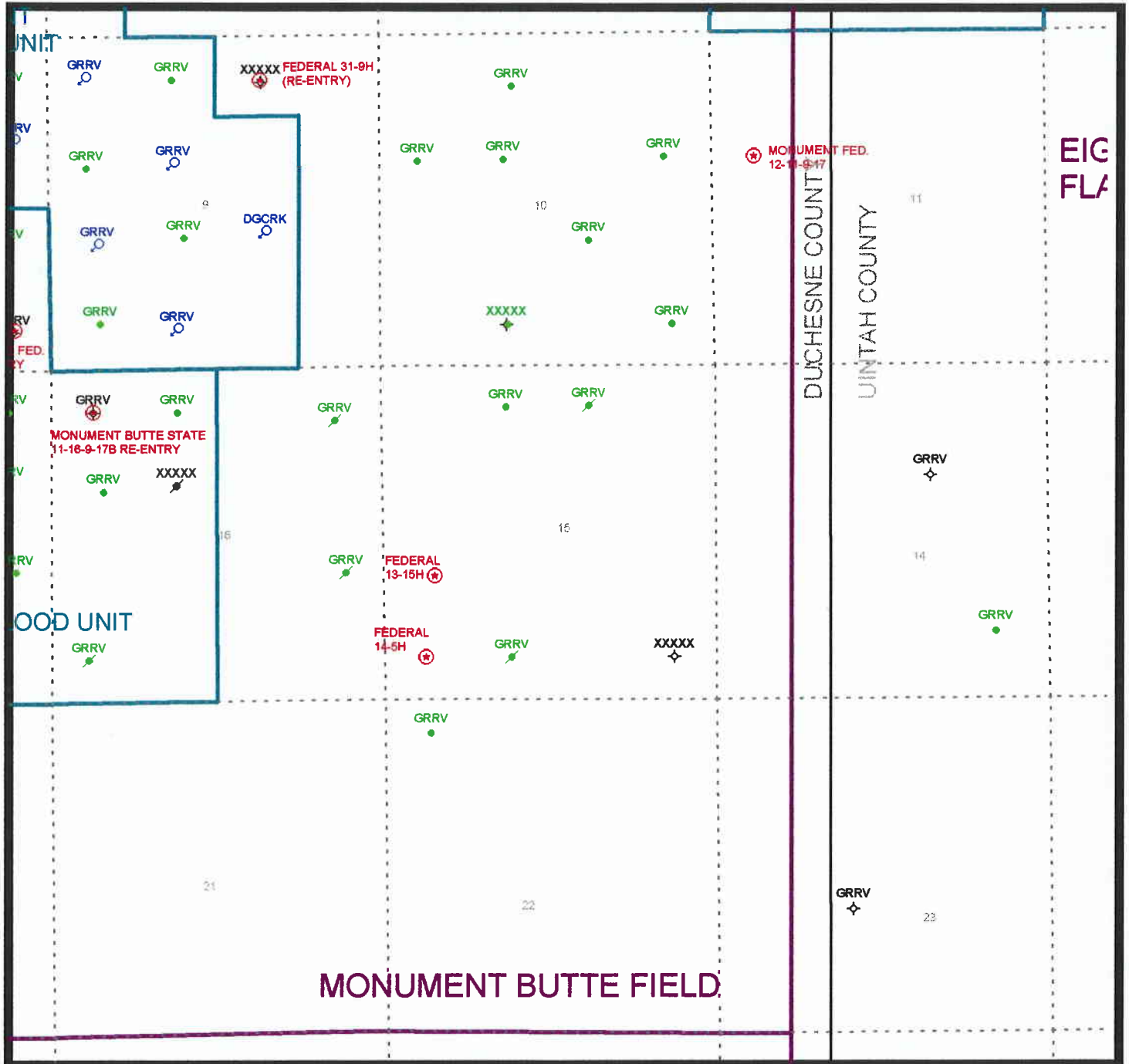
LOCATION AND SITING:

____ R649-2-3. Unit: _____
☒ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: ENSEARCH EXPL
FIELD: MONUMENT BUTTE
SECTION: 15, T9S, R17E
COUNTY: DUCHESNE
SPACING: UAC R649-3-2



PREPARED:
DATE: 8-AUG-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: ENSERCH EXPLORATION IN | Well Name: FEDERAL 13-15H

Project ID: 43-013-31698 | Location: SEC. 15 - T9S - R17E

Design Parameters:

Mud weight (8.80 ppg) : 0.457 psi/ft
 Shut in surface pressure : 2259 psi
 Internal gradient (burst) : 0.064 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	5,750	5.500	15.50	J-55	LT&C	5,750	4.825		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)		
1	2629	4040	1.537	2629	4810	1.83	89.13	217	2.43 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 09-03-1996
 Remarks :

GREEN RIVER

Minimum segment length for the 5,750 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas

temperature of 115°F (Surface 74°F , BHT 154°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and
 2,629 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 3, 1996

Enserch Exploration, Inc.
c/o Permitco, Inc.
13585 Jackson Drive
Denver, Colorado 80241

Re: Federal 13-15H Well, 2101' FSL, 779' FWL, NW SW, Sec. 15,
T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31698.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office



Operator: Enserch Exploration, Inc.
Well Name & Number: Federal 13-15H
API Number: 43-013-31698
Lease: U-74805
Location: NW SW Sec. 15 T. 9 S. R. 17 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SEP 13 1996

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

1b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐ OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

214/987-6430

4849 Greenville Ave., Suite 1200

Enserch Exploration, Inc.

Dallas, Texas 75206

3. ADDRESS OF OPERATOR

303/452-8888

13585 Jackson Drive.

PERMITCO INC. - Agent

Denver, CO 80241

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At Surface

2101' FSL and 779' FWL

At proposed Prod. Zone

NW SW Sec. 15, T9S - R17E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16.6 miles south of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)

779'

16. NO. OF ACRES IN LEASE

520

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approx. 900'

19. PROPOSED DEPTH

5750'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5260' GR

22. APPROX. DATE WORK WILL START*

October 2, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	400'	270 cubic feet Class "G"
7-7/8"	5-1/2"	17#	5750'	1900 cubic feet Light &

Class "G".

Enserch Exploration, Inc. proposes to drill a well to 5750' to test the Douglas Creek D & F Markers. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

CONFIDENTIAL - TIGHT HOLE

See Onshore Order No. 1 attached.

Please be advised that Enserch Exploration, Inc. is considered to be the Operator of the above mentioned well. Enserch Exploration, Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by BLM Nationwide Bond No. MT-0680 (203826). The principal is Enserch Exploration, Inc. via surety consent as provided for in 43 CFR 3104.2.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

[Signature]

Consultant for:

TITLE Enserch Exploration, Inc.

DATE 08/06/96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE Assistant Field Manager

DATE

SEP - 5 1996

CONDITIONS OF APPROVAL, IF ANY:

Mineral Resources

cc: Utah Division of Oil, Gas & Mining

NOTICE OF APPROVAL

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL ATTACHED

114070-600-17E

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Enserch Exploration, Inc.

Well Name & Number: Federal 13-15H

API Number: 43-013-31698

Lease Number: U-74805

Location: NWSW Sec. 15 T. 9 S R. 17E

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

3. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated by having a cement top for the production casing at least 200 ft. above the base of the Usable Water Zone identified at **± 1275 ft.** If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

A cement bond log (CBL) will be run from the production casing shoe to the \pm 1075 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

6. Notifications of Operations

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated after installation prior to delivery and quarterly thereafter unless prior approval is obtained. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert (801) 789-4170
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM
Conditions of Approval (COA's)

-No surface disturbing activities, construction, or drilling operations, including the initial completion activities, are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this Condition of Approval may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR ENSERCH EXPLORATION, INC.
ADDRESS 85 SOUTH 200 EAST
VERNAL, UT 84078

OPERATOR ACCT. NO. 11 4940

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	APT NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12100	43-013-31698	FEDERAL #13-15H	NW SW	15	9S	17E	Duchesne	1/30/97	
WELL 1 COMMENTS: <i>Entities added 4-9-97. Jec</i>											
A	99999	12101	43-013-31695	FEDERAL #14-15H	SW SW	15	9S	17E	Duchesne	1/8/97	
WELL 2 COMMENTS:											
A	99999	12102	43-013-31107	FEDERAL #31R-9H	NW NE	9	9S	17E	Duchesne	1/6/97	
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

[Signature]
Signature
Sr. Prod. Supervisor 4/9/97
Title Date
Phone No. 801 789-4573

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Enserch Exploration, Inc.

3. Address and Telephone No.
4849 Greenville Ave., Ste. 1200 - Dallas, Tx. 75206 214/987-6430

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2101' FSL & 779' FWL (NW-SW)
Sec 15, T9S, R17E

5. Lease Designation and Serial No.
U-74805

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Federal 13-15H

9. API Well No.
43-013-31698

10. Field and Pool, or Exploratory Area
Pleasant Valley

11. County or Parish, State
Duchesne County, Utah

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

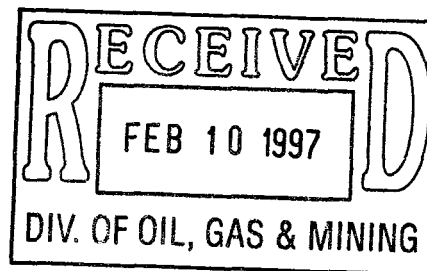
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input checked="" type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Casing design plan originally called for running 5-1/2" 17# to 5700'. We now plan to run 5-1/2" 15.50# casing to 5700'. The 15.50# casing meets the requirements of OOGO #2. New design factors are: Collapse 4040, Burst 4810, Joint Strength 217,000, Body Yield 248,000.

CONFIDENTIAL



14. I hereby certify that the foregoing is true and correct

Signed Dr. Jane Hendley Title Sr. Drlg. Engineer Date 1-30-97

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

CONFIDENTIAL

Name of Company: ENSERCH EXPLORATION

Well Name: FEDERAL 13-15H

Api No. 43-013-31698

Section 15 Township 9S Range 17E County DUCHESNE

Drilling Contractor CAZA

Rig # 56

SPUDDED:

Date 2/23/97

Time

How ROTARY

Drilling will commence

Reported by D. INGRAM

Telephone #

Date: 2/27/97 Signed: JLT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
U-74805

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.

FEDERAL #13-15H

9. API Well No.
43-013-31698

10. Field and Pool, or Exploratory Area
PLEASANT VALLEY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ENSERCH EXPLORATION, INC.

3. Address and Telephone No.

85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2101' FSL AND 779' FWL
NW/SW SEC. 15, T9S, R17E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

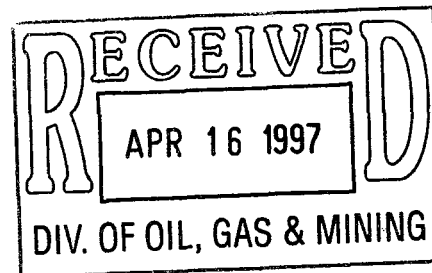
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other SITE SECURITY DIAG.
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PURSUANT TO ONSHORE OIL & GAS ORDER NO. 3, ATTACHED IS A "FACILITY AND SITE SECURITY DIAGRAM" FOR THE SUBJECT WELL.

CONFIDENTIAL



COPIES: ORIG. & 2-BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title SR. PROD. SUPERVISOR

Date 04/10/97

(This space for Federal or State office use)

Approved by

Title

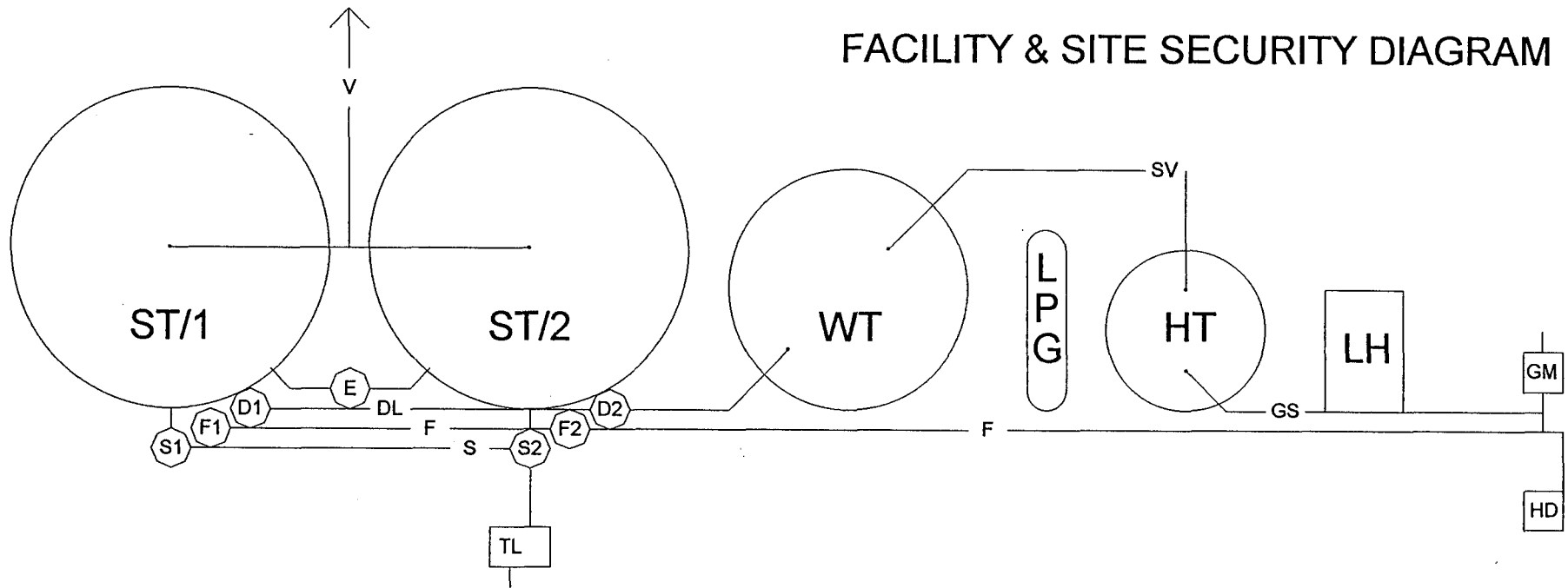
Date

Conditions of approval, if any:

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*See Instructions on Reverse Side

FACILITY & SITE SECURITY DIAGRAM



ENSERCH EXPLORATION INC.
PLEASANT VALLEY
LEASE # U- 74805
FEDERAL #13-15 H
NW/SW SEC. 15, T9S, R17E
DUCESNE COUNTY, UTAH

This well is subject to the Site Security Plan for the northeast Utah operations. The plan is located at Enserch Exploration Inc., 85 So. 200 East, Vernal, Utah 84078

ENSERCH EXPLORATION, INC.

ATTACHMENT TO FACILITY & SITE SECURITY DIAGRAM

GENERAL SEALING OF VALVES

*** NOTE : SALES ARE MADE BY TANK GAUGING.**

PRODUCTION PHASE : DRAIN LINE VALVES (D1 & D2), SALES LINE VALVES (S1 & S2) AND OPPOSITE FILL LINE VALVES (F1 OR F2) ARE SEALED IN THE CLOSED POSITION.

SALES PHASE : THE TANK (ST/1 OR ST/2) FROM WHICH OIL SALES ARE BEING MADE WILL BE TOTALLY ISOLATED BY SEALING CLOSED THE DRAIN VALVES, FILL LINE VALVE & OVERFLOW VALVE (E1) DURING SALES.

BS&W DRAINING PHASE : THE TANK TO BE DRAINED WILL BE ISOLATED BY SEALING CLOSED THE SALES LINE VALVE & DRAIN VALVE ON THE OPPOSITE STORAGE TANK.

EXAMPLE : ONGOING ACTIVITY. PRODUCTION GOING INTO ST/1 & OIL SALES BEING MADE FROM ST/2.

SEALING OF VALVES :

ST/1 VALVES S1 & D1 ARE SEALED CLOSED.

ST/2 VALVES D2, F2 & E1 ARE SEALED CLOSED.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
U-74805

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
FEDERAL #13-15H

9. API Well No.
43-013-31698

10. Field and Pool, or Exploratory Area
PLEASANT VALLEY

11. County or Parish, State
DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
ENSERCH EXPLORATION, INC.

3. Address and Telephone No.
85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2101' FSL AND 779' FWL
NW/SW SEC. 15, T9S, R17E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other INITIAL PRODUCTION
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

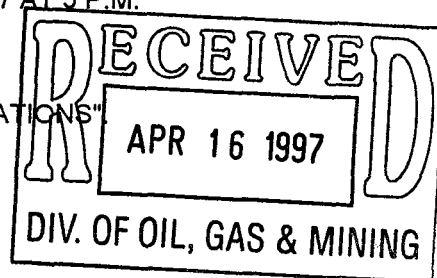
(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

OPERATOR REPORTS THE SUBJECT WELL WAS PUT ON PRODUCTION 4/7/97 AT 5 P.M.
WELL PRODUCED 155 BBLs. WATER IN 19 HRS.

FUTURE REPORTS WILL BE ON FORM 3160-6, "MONTHLY REPORT OF OPERATIONS"

CONFIDENTIAL



COPIES: ORIG. & 2-BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT; DHUMPHREY-DALLAS

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title SR. PROD. SUPERVISOR

Date 04/10/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ENSERCH EXPLORATION, INC.

3. Address and Telephone No.

85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2101' FSL AND 779' FWL
NW/SW SEC. 15, T9S, R17E

5. Lease Designation and Serial No.

U-74805

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL #13-15H

9. API Well No.

43-013-31698

10. Field and Pool, or Exploratory Area

PLEASANT VALLEY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

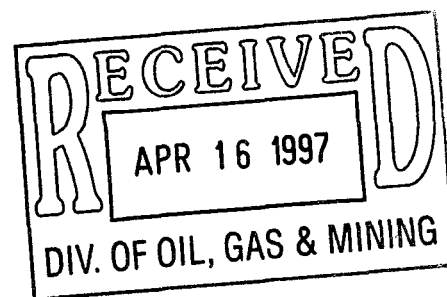
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other DAILY PROGRESS
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

ATTACHED IS A DAILY PROGRESS REPORT FOR THE SUBJECT WELL.

CONFIDENTIAL



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Signed

[Signature]

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Date 04/10/97

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Approved by

Title

Date

Conditions of approval, if any:

PLEASANT VALLEY #13-15 H
API #43-013-31698

3-7-97: R/U WESTERN ATLAS WIRELINE. RUN CEMENT BOND LOG FROM PBTD @ 5626'
TO SURF. EST. CEMENT TOP @ 700'

WIRELINE	\$1828
WELLHEAD	\$4800

DC: \$6628 CC: \$6628

3-8,9,10-97: PREP TO MOVE IN COMPLETION TOOLS

DC: \$0 CC: \$6628

3-11-97: MIRU BASIN WELL SERVICE RIG #1. N/U BOP'S. P/U 5 1/2" CSG SCRAPER &
RIH W/ 153 JTS 2 7/8" 6.5# J-55 EUE YELLOW BAND TBG. EOT @ 4688' SION

RIG	\$1426
BOPE	\$ 150
TANKS	\$ 60

DC: \$1636 CC: \$8264

3-12-97: FINISH RIH W/ 5 1/2" CSG SCRAPER & 2 7/8" TBG TO PBTD @ 5646'. CIRC &
DISPLACE HOLE W/ 2% KCL WATER. POOH W/ TBG & TOOLS. SION

RIG	\$ 990
BOPE	\$ 150
TANKS	\$ 60
WATER	\$ 500
TRKG	\$ 440

DC: \$2140 CC: \$10,404

3-13-97: R/U WESTERN ATLAS WIRELINE. RIH W/ 4" CSG GUNS & PERFORATE "F1",
"F2" & "F3" INTVLS @ 5224'-27', 5230'-31', 5266'-74', 5296'-5305' & 5318'-20' 2 SPF 46
HOLES TOTAL. BREAK DOWN PERFS W/ RIG PUMP USING 2% KCL WATER. ZONES
BROKE @ 3300# AVG 3.0 BPM @ 1300# ISIP 1100#. P/U 5 1/2" RBP & RIH W/ 2 7/8" TBG.
SET PLUG @ 5349' PULL TBG TO 5224'. R/U & SWAB WELL. F.L. @ SURF. MADE 19
RUNS & RECOVERED 114 BBLs WATER W/ SLIGHT SHOW OF OIL. FINAL F.L. @ 4800'.
SION

RIG	\$1430
BOPE	\$ 150
TANKS	\$ 60
WIRELINE	\$1882

DC: \$3522 CC: \$13,926

3-14-97: CHECK PRESSURES 0# SITP & SICP. R/U & RIH W/ SWAB. F.L. @ 4400' (400' FLUID ENTRY OVERNIGHT) MADE ONE RUN & RECOVERED 4 BBLS FLUID W/ 5% OIL CUT & SHOW OF GAS. RESET RBP @ 5466'. POOH W/ 2 7/8" TBG & RET. TOOL. R/U HALLIBURTON & FRAC "F1", "F2" & "F3" INTVLS @ 5224'-27', 5230'-31', 5266'-74', 5296'-5305' & 5318'-20' AVG RATE 50.2 BPM AVG PSI 1800# MAX RATE 52 BPM MAX PSI 2515# PUMPED 942 BBLS FLUID & 203,500# 20/40 SAND ISIP 1577#. FLOW BACK WELL IMMED. TO FORCE CLOSE @ 1/4 BPM. WELL FLOWED 6 HRS & RECOVERED 217 BBLS FRAC FLUID W/ TRACE OF OIL. HAVE 725 BLTR. P/U RET. TOOL & RIH W/ 2 7/8" TBG. TAG SAND @ 5326'. CIRC & CLEAN OUT SAND TO 5349'. SION

RIG	\$1827
BOPE	\$ 150
TANKS	\$ 60
TREATMENT	\$39,306
WATER	\$2906
HOT OILER	\$1736

DC: \$45,985 CC: \$59,911

3-15-97: CHECK PRESSURES 150# SITP & SICP. BLEED OFF PRESSURE. CIRC. & CLEAN OUT SAND FROM 5349'- 5443'. POOH W/ 2 7/8" TBG & RET. TOOL. R/U PLS WIRELINE & RUN PROTECHNICS SPECTRA SCAN LOG FROM 5000'- 5440'. R/D PLS & PROTECHNICS. R/U WESTERN ATLAS WIRELINE. RIH W/ 4" CSG GUN & PERFORATE "Ee" INTVL @ 4850'- 58' 4 SPF 32 HOLES TOTAL. P/U RET.TOOL & RIH W/ TBG TO 5443'. CIRC. SAND OFF TO TOP OF PLUG @ 5466' HAD A HARD TIME GETTING LATCHED ON TO PLUG. CIRCULATED SEVERAL PIECES OF METAL WHILE TRYING TO CATCH PLUG. PLUG DRAGGING. POOH W/ TBG & TOOLS. FOUND SEVERAL PIECES OF METAL & LARGE WASHER ON TOP OF PLUG. CHANGE OUT TOOLS & RIH W/ 19 JTS TBG. SION

RIG	\$1854
BOPE	\$ 150
TANKS	\$ 60
WIRELINE	\$4500
TOOLS	\$ 900

DC: \$7464 CC: \$67,375

3-16-97: CHECK PRESSURES 0# SITP & SICP. RIH W/ 2 7/8" TBG & RBP. SET PLUG @ 4951'. BREAK DOWN "Ee" ZONE. PERFS BROKE @ 3100# AVG 2.5 BPM @ 1200# ISIP 1000#. R/U & SWAB WELL. F.L. @ SURF. MADE 13 RUNS & RECOVERED 94 BBLS. FINAL F.L. @ 4300'. SION

RIG	\$1138
BOPE	\$ 150
TANKS	\$ 60
WATER	\$1447

DC: \$2795 CC: \$70,170

3-17-97: CHECK PRESSURES 0# SITP & 25# SICP. RIH W/ SWAB. F.L. @ 3900' (400' FLUID ENTRY OVERNIGHT) MADE ONE RUN & RECOVERED 6 BBLs FLUID. (20% OIL CUT) POOH W/ 2 7/8" TBG & RET. TOOL. R/U HALLIBURTON & FRAC "Ee" INTVL 4850'-58' AVG RATE 20.7 BPM AVG PSI 1850# MAX RATE 22.1 BPM MAX PSI 2036# PUMPED 466 BBLs FLUID & 86,100# 20/40 SAND ISIP 1864#. START FLOWBACK IMMED. TO FORCE CLOSE @ 1/4 BPM. WELL FLOWED 2 1/2 HRS & RECOVERED 65 BBLs FRAC FLUID. HAVE 401 BLTR. P/U RET. TOOL & RIH W/ 2 7/8" TBG. TAG SAND @ 4900. CIRC & CLEAN OUT SAND TO RBP @ 4951'. RELEASE PLUG & RESET @ 4805'. TEST PLUG TO 3800#. HELD OK! POOH W/ TBG & RET.TOOL. SION

RIG	\$1320
BOPE	\$ 150
TANKS	\$ 60
TOOLS	\$ 300
HOT OILER	\$1320
TREATMENT	\$22,070

DC: \$25,220 CC: \$95,390

3-18-97: CHECK PRESSURES 0# SITP & SICP. R/U WESTERN ATLAS WIRELINE. RIH W/ 4" CSG GUN & PERFORATE "D" & LOWER "D" INTVLS @ 4679'- 86' & 4627'- 34' 2 SPF 28 HOLES. P/U ELDER 5 1/2" PKR & RET.TOOL. RIH W/ 2 7/8" TBG. SET PKR @ 4657'. PUMP DOWN TBG & BREAK DOWN PERFS @ 4679'- 86' W/ RIG PUMP USING 2% KCL WTR. ZONE BROKE @ 1300# AVG 2.3 BPM @ 1200# ISIP 1000#. PUMP DOWN CSG & BREAK DOWN PERFS @ 4627'- 34'. ZONE BROKE @ 2100# AVG 2.1 BPM @ 1400# ISIP 1200#. UNSET PKR & MOVE TO 4624'. R/U & SWAB WELL. F.L. @ SURF. MADE 13 RUNS & RECOVERED 92 BBLs WTR. W/ TRACE OF OIL. FINAL FLUID LEVEL @ 4200'. SION

RIG	\$1318
BOPE	\$ 150
TANKS	\$ 60
TOOLS	\$ 300
WIRELINE	\$1450

DC: \$3278 CC: \$98,668

3-19-97: CHECK PRESSURES 0# SITP & 25# SICP. R/U & RIH W/ SWAB F.L. @ 3800' (400' FLUID ENTRY OVERNIGHT) MADE ONE RUN & RECOVERED 6 BBLs (90% OIL CUT) POOH W/ 2 7/8" TBG & TOOLS. R/U HALLIBURTON & FRAC "D" & LOWER "D" INTVLS @ 4627'- 86'. AVG RATE 40 BPM AVG PSI 1950# MAX RATE 44.5 BPM MAX PSI 2500# PUMPED 601 BBLs FLUID & 130,600# 20/40 SAND. Ra TRACED PAD W/ SCANDIUM, 1st 69,000# SAND W/ IRIIDIUM & REMAINING SAND W/ ANTIMONY ISIP 1884#. FLOW BACK WELL IMMED. TO FORCE CLOSE @ 1/4 BPM. WELL FLOWED 3 HRS & RECOVERED 149 BBLs FRAC FLUID W/ TRACE OF OIL & SHOW OF GAS. HAVE 452 BLTR. P/U RET.TOOL & RIH W/ 2 7/8" TBG. TAG SAND @ 4665'. CIRC. & CLEAN OUT TO RBP @ 4805'. RELEASE PLUG & POOH W/ TBG & TOOLS. SION

RIG	\$1787
BOPE	\$ 150
TANKS	\$ 60
TOOLS	\$ 300
WATER	\$1100
HOT OILER	\$ 900
TREATMENT	\$27,872
TRACER	\$2392
DC: \$34,561	CC: \$133,229

3-20-97: CHECK PRESSURES 0# SICP. R/U WESTERN ATLAS WIRELINE & RUN SPECTRASCAN TRACER SURVEY FROM 4500' TO 4800'. RIH W/ PRODUCTION STRING & TBG. ANCHOR. TAG FILL @ 5603'. PULL UP & SET ANCHOR @ 4592' W/ 11,000# TENSION. N/D BOP'S & N/U WELLHEAD. P/U NEW PUMP & RIH W/ 9- SINKER BARS, 105- 3/4" RODS & 35- 7/8" RODS. SION

TUBING DETAIL

K.B.CORR.	13.00'
147 JTS 2 7/8" 6.5# J-55 EUE TBG.	4578.63'
5 1/2" TUBING ANCHOR @ 4592' W/ 11,000# TENSION	2.75'
23 JTS 2 7/8" TUBING	726.28'
SEAT NIPPLE @ 5321'	1.10'
1 JT 2 7/8" TUBING	31.20'
NOTCHED COLLAR EOT @ 5353'	.44'

RIG	\$1467
BOPE	\$ 150
TANKS	\$ 60
TOOLS	\$ 600
WIRELINE	\$3339

DC: \$5616 CC: \$138,845

3-21-97: CHECK PRESSURES 0# SICP. FINISH RIH W/ 7/8" RODS. SPACE OUT & SEAT PUMP. PRESSURE CHECK PUMP TO 1000#. HELD OK! RIG DOWN & RELEASE COMPLETION RIG. BUILD PADS FOR TANK BATTERY. SION

ROD DETAIL

1 1/2" X 22' POLISH ROD	16.00'
1- 8', 1- 6' & 1- 4' X 7/8" PONY RODS	18.00'
97- 7/8" RODS (SCRAPERED)	2425.00'
105- 3/4" RODS (SLICK)	2625.00'
9- SINKER BARS	225.00'
2 1/2" X 1 1/2" X 15' RHAC ROD PUMP	2.00'

RIG	\$ 438
PUMP	\$1500

DC: \$1938 CC: \$140,783

3-22,23,24-97: HOOKING UP TANK BATTERY.

DC: \$1938 CC: \$140,783

3-25-97: HOOKING UP TANK BATTERY. SITP 0# SICP 1350# HAVE 1453 BLTR

DC: \$0 CC: \$140,783

3-26-97: HOOKING UP TANK BATTERY.

DC: \$0 CC: \$140,783

3-27-97: HOOKING UP TANK BATTERY.

DC: \$0 CC: \$140,783

3-28,29,30,31-97: HOOKING UP TANK BATTERY.

DC: \$0

CC: \$140,783

4-1-97: HOOKING UP TANK BATTERY.

DC: \$0

CC: \$140,783

4-2-97: HOOKING UP TANK BATTERY.

DC: \$0

CC: \$140,783

4-3-97: HOOKING UP TANK BATTERY.

DC: \$0

CC: \$140,783

4-4-97: HOOKING UP TANK BATTERY.

DC: \$0

CC: \$140,783

4-5-97: HOOKING UP TANK BATTERY.

4-6-97: HOOKING UP TANK BATTERY.

4-7-97: HOOKING UP TANK BATTERY. STARTED WELL PUMPING @ 5:00 PM

DC: \$0

CC: \$140,783

4-8-97: WELL PRODUCED 155 BBLs WTR IN 19 HRS. CP 120#
HAVE 1423 BLTR

DC: \$0

CC: \$140,783

4-9-97: WELL PRODUCED 77 BO & 164 BW IN 24 HRS. CP 220#
HAVE 1259 BLTR

DC: \$0

CC: \$140,783

4-10-97: WELL PRODUCED 118 BO & 22 BW IN 24 HRS. CP 220#
HAVE 1237 BLTR

DC: \$0

CC: \$140,783

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

ENSERCH EXPLORATION, INC.

3. ADDRESS AND TELEPHONE NO.

85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)

At Surface

2101' FSL & 779' FWL (NW/SW)

At top prod. Interval reported below

At total depth

14. PERMIT NO.

43-013-31698

DATE ISSUED

9/3/96

9. API WELL NO.

43-013-31698

10. FIELD AND POOL OR WILDCAT

PLEASANT VALLEY

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec.: 15 T.: 9S
R.: 17E M.:
Block & Survey:

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UT

15. DATE SPUDDED

1/30/97

16. DATE T.D. REACHED

2/27/97

17. DATE COMPL. (Ready to prod.)

4/7/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5273' KB

19. ELEV. CASINGHEAD

5260'

20. TOTAL DEPTH, MD & TVD

5700'

MD

TVD

5626'

MD

TVD

21. PLUG, BACK T.D., MD & TVD

TD

5626'

MD

TVD

22. IF MULTIPLE COMPL., HOW MANY*

HOW MANY*

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0-5700'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

4627-34' "D", 4679-86' "LOWER D", 4850-58' "Ee", 5224-27' - 5230-31' - 5266-74' "F2",
5296-5305' - 5318-20' "F3"

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

SDL-DSN, DIL, CBL W/GR & CCL

27. WAS WELL CORED

NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" J-55	24#	415'	12-1/4"	SURF, 290 SX PREM W/2% CACL	NONE
5-1/2" J-55	15.5#	5698'	7-7/8"	700', 210 SX HI-FILL PREM LEAD	NONE
				245 SX THIX W/10% CALSEAL	
				TAIL	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5353'	TAC @ 4592'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
4627-86'	0.46	28
4850-58'	0.46	32
5224-5320'	0.46	46

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4627-86'	FRAC 130,600# 20/40 SAND
4850-58'	FRAC 86,100# 20/40 SAND
5224-5320'	FRAC 203,500# 20/40 SAND

33.* PRODUCTION

DATE FIRST PRODUCTION 4/7/97	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) PUMPING 2-1/2" X 1-3/4" X 16' RHAC					WELL STATUS (Producing or shut-in) PRODUCING
DATE OF TEST 4/10/97	HOURS TESTED 24	CHOKE SIZE	PROD. FOR TEST PERIOD →	OIL--BBL. 137	GAS--MCF. TSTM	WATER--BBL. 31
FLOW. TUBING PRESS.	CASING PRESSURE 98	CALCULATED 24-HOUR RATE →	OIL--BBL. 137	GAS--MCF. 0	WATER--BBL. 31	OIL GRAVITY-API (CORR.) 32.2

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

FUEL GAS, VENTED

CONFIDENTIAL
PERIOD

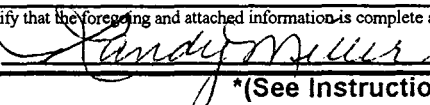
TEST WITNESSED BY

RANDY MILLER

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED



TITLE

SR. PROD. SUPERVISOR

DATE

4/11/97

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				GREEN RIVER	1277'	
				"A" MARKER	3731'	
				"DC" MARKER	4370'	
				BASAL LIME	5620'	
COPIES: BLM - VERNAL/ORIG. & 2 COPIES; DIV. OG&M - SLC, UT/1 COPY; BRIDGEPORT, TX/1 COPY; MIDLAND, TX/1 COPY; DON HOLLOWAY - DALLAS/1 COPY						

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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NW/SW SEC. 15, T9S, R17E

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U-74805

6. If Indian, Allottee or Tribe Name

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7. If Unit or CA, Agreement Designation

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FEDERAL #13-15H

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43-013-31698

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PLEASANT VALLEY

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DUCHESNE COUNTY, UTAH

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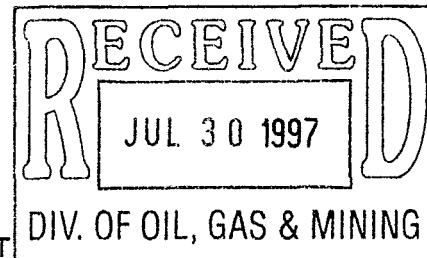
TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
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OPERATOR PROPOSES TO DISPOSE OF PRODUCED WATER INTO AN ABOVE GROUND TANK. THE TANK WILL BE FIBERGLASS WITH A CAPACITY OF APPROXIMATELY 100 BBLS. WATER FROM THE TANK WILL BE TAKEN BY TRUCK AND INJECTED IN THE PLEASANT VALLEY INJECTION FACILITY AT THE PVU #42-8-H WELL.



COPIES: ORIG. & 2-BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title SR. PROD. SUPERVISOR

Date 07/28/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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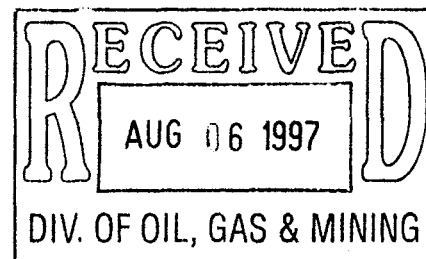
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☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PER YOUR RECENT INSPECTION THIS WELL WAS VENTING INTERMITTENTLY DUE TO PACKED LINE CONDITIONS QUESTAR HAS SINCE UPGRADED TO A NEW 6" GATHERING LINE AND ALL VENTING HAS CEASED AS OF 7/30/97.



COPIES: ORIG. & 2-BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT

14. I hereby certify that the foregoing is true and correct

Signed

Title SR. PROD. SUPERVISOR

Date 08/01/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 3 of 3

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

JOHN W PEARCE
 ENSERCH EXPLORATION INC
 6688 N CENTRAL EXP #1000
 DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N4940REPORT PERIOD (MONTH/YEAR): 8 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 13-33-B								
4301331277	11092	08S 16E 33	GRRV			U-49092	Wells Draw Unit	
FEDERAL 22-5-G								
4301331273	11103	09S 16E 5	GRRV			U-30096	"	
FEDERAL 13-34-B								
4301331271	11104	08S 16E 34	GRRV			U-47171	"	
STATE 31-32								
4304732500	11645	08S 18E 32	GRRV			ML-22058	\$25,000 (Reg. add'l Bonding per Trust)	
FEDERAL 41-29								
4304732495	11646	09S 18E 29	GRRV			U-19267		
FEDERAL 21-9H								
4301331458	11676	09S 17E 9	GRRV			U-50750	Pleasant Valley Unit	
FEDERAL 14-9H								
4301331459	11677	09S 17E 9	GRRV			U-50750	"	
FEDERAL 21-8H								
4301331460	11687	09S 17E 8	GRRV			U-10760	"	
FEDERAL 13-15H								
4301331698	12100	09S 17E 15	GRRV			U-74805		
FEDERAL 14-15H								
4301331695	12101	09S 17E 15	GRRV			U-74805		
FEDERAL 31R-9H (RE-ENTRY)								
4301331107	12102	09S 17E 9	GRRV			U-50750		
TOTALS								

REMARKS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. -

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 17th Street, Suite 1500, Denver, Colorado 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 15, NW/4 SW/4, T9S-R17E

5. Lease Designation and Serial No.

U-74805

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Federal 13-15H

9. API Well No.

43-013-31698

10. Field and Pool, or Exploratory Area

Pleasant Valley

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

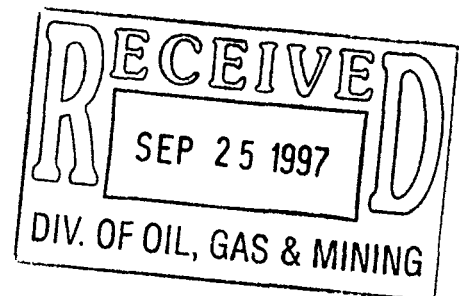
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Inland Production Company assumes operations of the above mentioned well effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Attorney-In-Fact Date 08/14/1997

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. -

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ENSERCH EXPLORATION INC.

3. Address and Telephone No.

4849 Greenville Avenue, Suite 1200, Dallas, Texas 75206-4186 (214) 369-7893

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 15, NW/4 SW/4, T9S-R17E

5. Lease Designation and Serial No.

U-74805

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Federal 13-15H

9. API Well No.

43-013-31698

10. Field and Pool, or Exploratory Area

Pleasant Valley

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

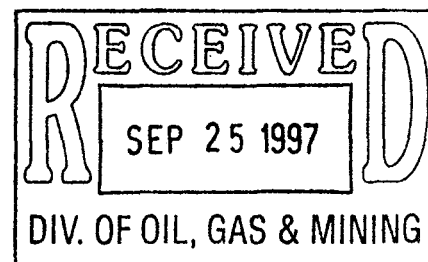
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Enserch Exploration Inc. has sold its interest in the Pleasant Valley Federal #13-15H to Inland Production Company and relinquishes operations effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Sr. Production Analyst Date 08/14/1997

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

Phone: (801) 781-4400
Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3
UT08438

October 23, 1997

Inland Production Company
475 17th Street, Suite 1500
Denver, CO 80202

Re: Well No. Federal 13-15H
NWSW, Sec. 15, T9S, R17E
Lease U-74805
Duchesne County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager,
Minerals Resources

cc: ~~Division of Oil, Gas & Mining~~
Enserch Exploration Inc.
Key Production Company Inc
Inland - Vernal

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-LEC	6-LEC
2-GLH	7-KASL
3-DEPT	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 8-16-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>ENSERCH EXPLORATION INC</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>6688 N CENTRAL EXP #1000</u>
	<u>ROOSEVELT UT 84066</u>		<u>DALLAS TX 75206-3922</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(214) 369-7893</u>
Account no.	<u>N5160</u>	Account no.	<u>N4940</u>

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>43-013-31698</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 9-25-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 9-25-97)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) ____ If yes, show company file number: _____
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(10-27-97 / Fed. Lease Wells)*
6. Cardex file has been updated for each well listed above. *(10-27-97)*
7. Well file labels have been updated for each well listed above. *(10-27-97)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(10-27-97)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- HC 2. A copy of this form has been placed in the new and former operator's bond files.
- ____ 3. The FORMER operator has requested a release of liability from their bond (yes/no) ____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
BTS 10/29/97
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 ____, of their responsibility to notify all interest owners of this change.

FILMING

- VB 1. All attachments to this form have been microfilmed. Today's date: 6-2-98.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

971027 Blm/Vernal Aprv. 'Fed. lease' wells 10-23-97.

LONE TREE UNIT WELL LISTING

AS OF 7/13/98

T. 9S, R. 17E

SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
22	LONE TREE UNIT	SOUTH PLEASANT VALLEY #4-22	PROD	4301331522	11813
21	LONE TREE UNIT	SOUTH PLEASANT VALLEY #1-21	PROD	4301331562	11870
22	LONE TREE UNIT	S. PLEASANT VALLEY FED 3-22-9-17	PROD	4301332024	12332
20	LONE TREE UNIT	SOUTH PLEASANT VALLEY #2-20	PROD	4301331737	12047
15	LONE TREE UNIT	PLSNT VLY #21-15H	PROD	4301330641	6145
15	LONE TREE UNIT	PLSNT VLY FED #14-15H	PROD	4301331695	12101
* 15	LONE TREE UNIT	PLSNT VLY FED #13-15H	PROD	4301331698	12100
15	LONE TREE UNIT	S. PLEASANT VALLEY FED 4-15-9-17	PROD	4301332018	12317
15	LONE TREE UNIT	S. PLEASANT VALLEY 5-15	PROD	4301331810	12311
15	LONE TREE UNIT	S. PLEASANT VALLEY 6-15-9-17	PROD	4301332019	12319
15	LONE TREE UNIT	S. PLEASANT VALLEY 11-15	PROD	4301331991	12301
15	LONE TREE UNIT	S. PLEASANT VALLEY 16-15	PROD	4301331992	12303
15	LONE TREE UNIT	PLSNT VLY #24-15H	PROD	4301330681	6150
15	LONE TREE UNIT	S. PLEASANT VALLEY 7-15-9-17	PROD	4301332050	12356
15	LONE TREE UNIT	S. PLEASANT VALLEY 10-15	PROD	4301332022	12315
22	LONE TREE UNIT	S. PLEASANT VALLEY 2-22-9-17	PROD	4301332023	12326
16	LONE TREE UNIT	K JORGENSEN ST 16-4	SI	4301330572	1452
16	LONE TREE UNIT	STATE #16-2	SI	4301330552	1451

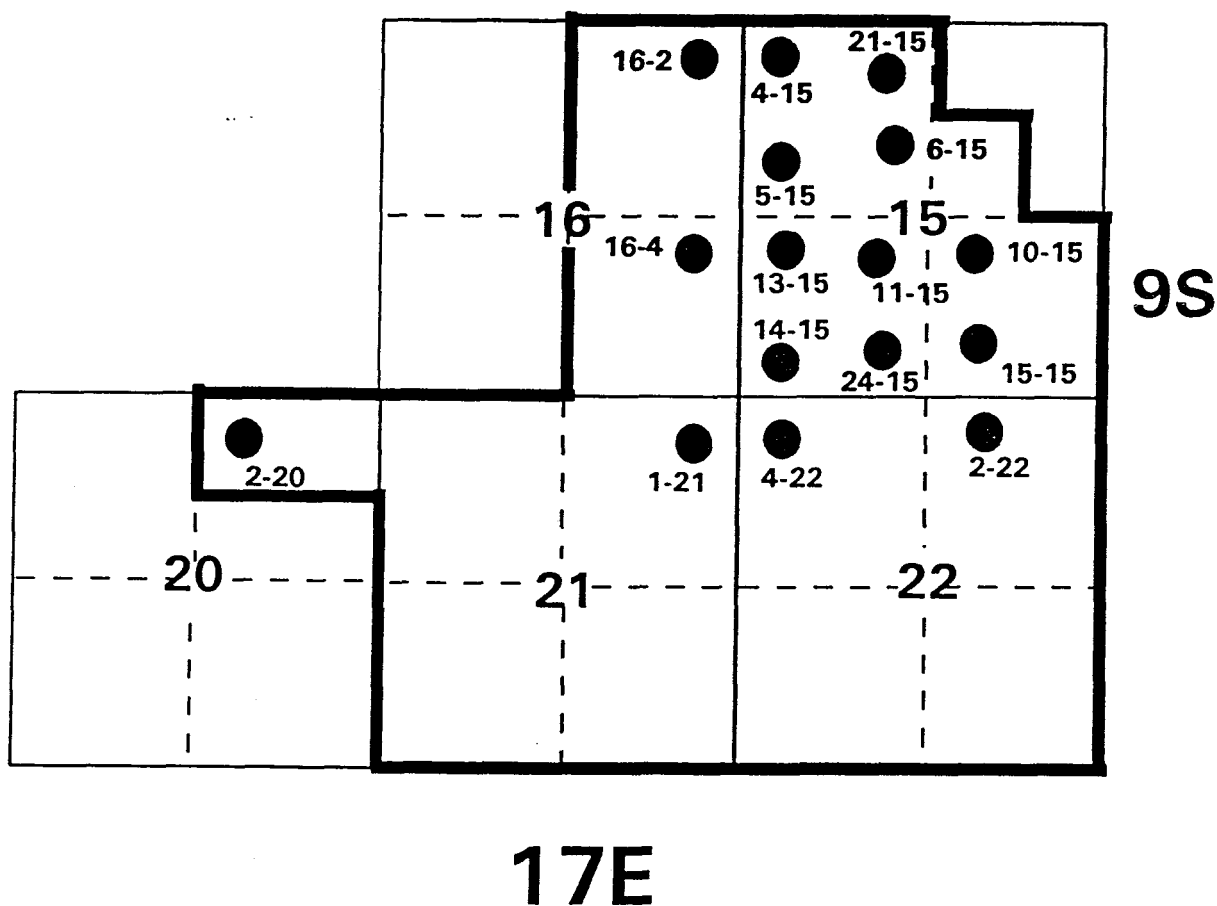
LONE TREE (GR) UNIT ENTITY 12417 EFF 7-1-98.

9S; 17E; S-15

LONE TREE (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1998



— UNIT OUTLINE (UTU77236X)
2,200.00 ACRES

SECONDARY ALLOCATION	
FEDERAL	91.81%
STATE	9.19%

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-74805

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

FEDERAL 13-15H

9. API Well No.

43-013-31698

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2101 FSL 0779 FWL NW/SW Section 15, T09S R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

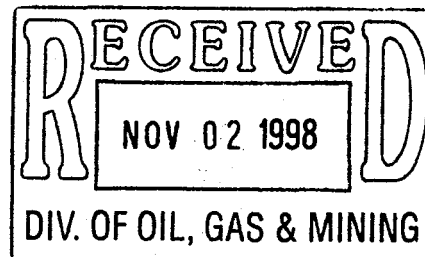
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Site Security

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Rebecca E. Knight

Title

Manager, Regulatory Compliance

Date

10/28/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Inland Production Company Site Facility Diagram

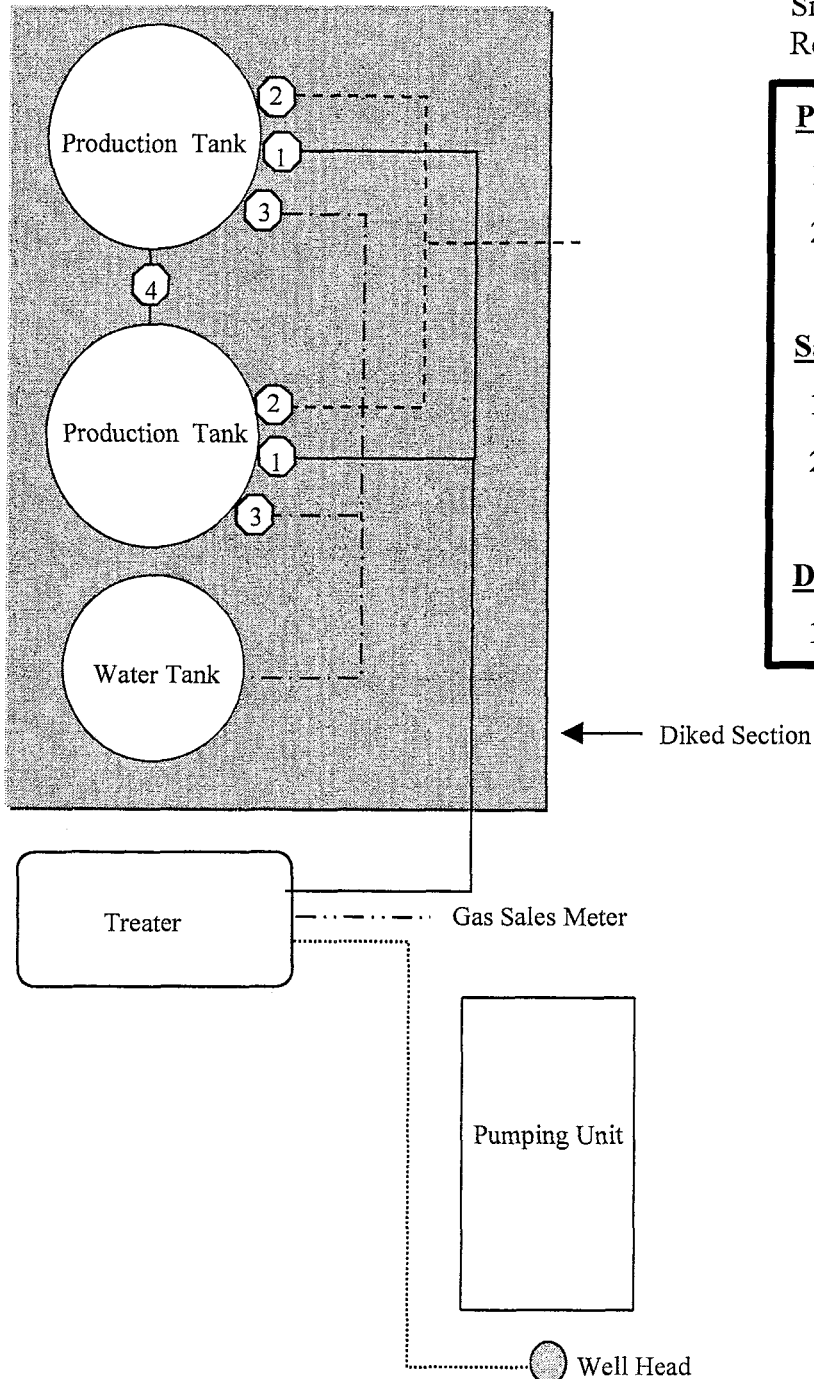
Pleasant Valley Unit 13-15H

NW/SW Sec. 15, T9S, 17E

Duchesne County

Sept. 17, 1998

Site Security Plan is held at the Roosevelt Office,
Roosevelt Utah



Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

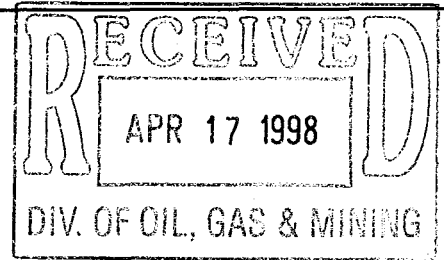
- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

Draining Phase:

- 1) Valve 3 open

Legend

Emulsion Line
Load Line	-----
Water Line	- . - . - .
Oil Line	—————
Gas Sales	- . - . - .



March 24, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Federal #13-15H, Lone Tree Unit (Proposed)
Monument Butte Field, Lease #U-74805
Section 15-Township 9S-Range 17E
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Federal #13-15H from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Lone Tree Unit (proposed).

I hope you find this application complete; however, if you have any questions or require additional information, please contact Debbie Knight at (303) 382-4434.

Sincerely,

John E. Dyer
Chief Operating Officer

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #13-15H
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LONE TREE UNIT (PROPOSED)
LEASE #U-74805
MARCH 24, 1998

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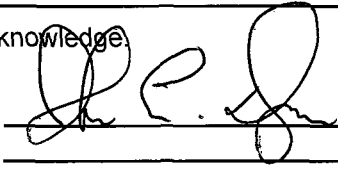
LETTER OF INTENT	
COVER PAGE	
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UIC FORM 1 – APPLICATION FOR INJECTION WELL	
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WORK PROCEDURE FOR INJECTION CONVERSION	
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ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #13-15H
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ATTACHMENT F-2	WATER ANALYSIS OF THE COMPATIBILITY OF THE FLUIDS
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ATTACHMENT G-2	FRACTURE REPORT DATED 3-16-97
ATTACHMENT G-3	FRACTURE REPORT DATED 3-18-97
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

RECEIVED
APR 17 1998
DIV. OF OIL, GAS & MINING

OPERATOR	Inland Production Company
ADDRESS	410 17th Street, Suite 700
	Denver, Colorado 80202

Well Name and number:	Federal #13-15H		
Field or Unit name:	Monument Butte (Green River)	Lone Tree Unit	Lease No. U-74805
Well Location: QQ	NWSW	section 15 township 9S range 17E	county Duchesne
Is this application for expansion of an existing project? Yes [X] No []			
Will the proposed well be used for:			
	Enhanced Recovery?	Yes [X] No []
	Disposal?	Yes [] No [X]
	Storage?	Yes [] No [X]
Is this application for a new well to be drilled? Yes [] No [X]			
If this application is for an existing well,			
has a casing test been performed on the well? Yes [X] No []			
Date of test: 3/13/97			
API number: 43-013-31698			
Proposed injection interval: from 4627' to 5320'			
Proposed maximum injection: rate 500 bpd pressure 1540 psig			
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2 mile of the well.			
IMPORTANT: Additional information as required by R615-5-2 should accompany this form.			
List of Attachments: Exhibits "A" through "G"			
I certify that this report is true and complete to the best of my knowledge.			
Name:	John E. Dyer	Signature	
Title	Chief Operating Officer	Date	
Phone No.	(303) 292-0900		
(State use only)			
Application approved by		Title	
Approval Date			

Comments:

Federal #13-15H

Spud Date: 10/16/97

Put on Production: 4/08/97

GL: 5260' KB: 5273'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH:

DEPTH LANDED: 415'

HOLE SIZE: 12-1/4"

CEMENT DATA: 290 sxs Premium cmt, est 31 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 135 jts. (5698')

DEPTH LANDED: 5698'

HOLE SIZE: 7-7/8"

CEMENT DATA: 210 sxs Hifill and 245 sxs Thixotropic

CEMENT TOP AT: 700' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 171 jts

TUBING ANCHOR: 4592'

TOTAL STRING LENGTH: 5321'

SN LANDED AT: 5321'

SUCKER RODS

POLISHED ROD:

SUCKER RODS:

PUMP SIZE:

STROKE LENGTH: ?

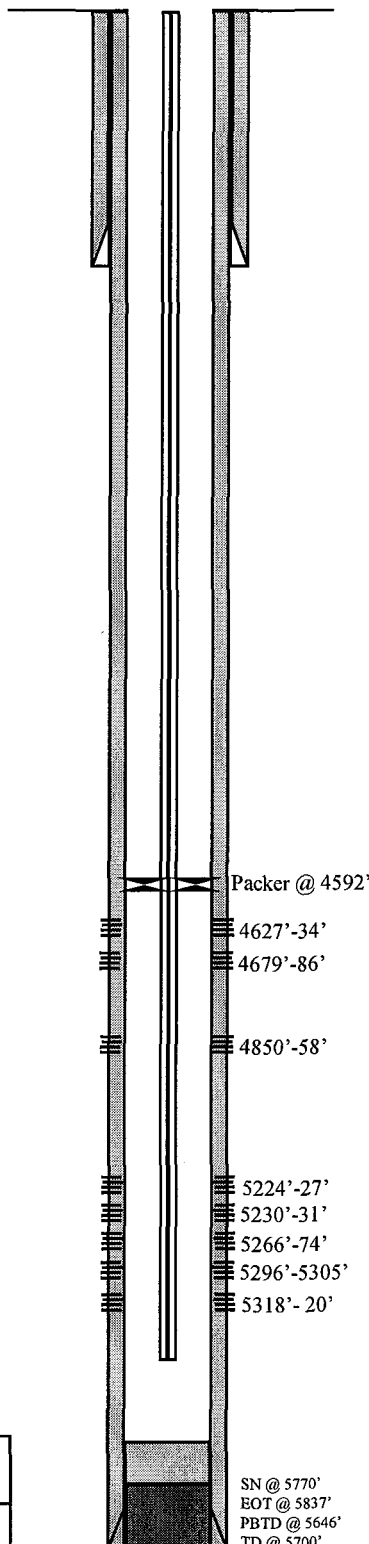
PUMP SPEED, SPM: ? SPM

LOGS: DLL w/GR & SP (5660'-2750')

SDLT/DSN (5660'-2750')

CBL w/GR & CCL (5262'-6')

Proposed Injection Wellbore Diagram



Initial Production: 77 BOPD, 0 MCFPD, 164 BWPD

FRAC JOB

03/13/97	5224'-5320'	Frac sand as follows: Frac w/942 bbls of fluid and 203,500# 20/40 sand. Treated w/avg rate of 50.2 BPM w/avg press of 1800 psi. ISIP-1577 psi.
03/17/97	4850'-4858'	Frac sand as follows: 466 bbls of fluid and 86,100# 20/40 sand. Treated w/avg rate of 20.7 BPM w/avg press of 1850 psi. ISIP-1864 psi.
03/19/97	4627'-4686'	Frac sand as follows: 601 bbls of fluid and 130,600# 20/40 sand. Treated w/avg rate of 40 BPM w/avg press of 1950 psi. ISIP-1884 psi.

PERFORATION RECORD

03/13/97	5224'-5227'	2 JSPF	6 holes
03/13/97	5230'-5231'	2 JSPF	2 holes
03/13/97	5266'-5274'	2 JSPF	16 holes
03/13/97	5296'-5305'	2 JSPF	18 holes
03/13/97	5318'-5320'	2 JSPF	4 holes
03/15/97	4850'-4858'		
03/18/97	4627'-4634'	2 JSPF	14 holes
03/18/97	4679'-4686'	2 JSPF	14 holes



Inland Resources Inc.

Federal #13-15H

1980 FSL 660 FWL

NWSW Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-31698; Lease #U-74805

SN @ 5770'
EOT @ 5837'
PBTB @ 5646'
TD @ 5700'

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #13-15H from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Lone Tree Unit (proposed).

A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.4 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Federal #13-15H well, the proposed injection zone is from 4627'-5320'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4627'.

2.5 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #13-15H is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a ^{FEDERAL} ~~State~~ lease (Lease #U-74805), in the Monument Butte (Green River) Field, Lone Tree Unit (proposed), and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 415' GL, and the 5-1/2" casing run from surface to 5698' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1540 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The fracture gradient for the Federal #13-15H, for proposed zones (4627' – 5320') calculates at .73 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1540 psig. See Attachment G through G-3.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #13-15H, the injection zone (4627'-5320') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31', and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-7.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Inland Production Company will supply any requested information to the Board or Division.

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 17 East Section 15: NW/4, SENE, S/2	UTU-74805 HBP	Inland Production Company Key Production Company	(Surface Rights) USA
2	Township 9 South, Range 17 East Section 19: All Section 20: W/2, SE/4, W/2NE/4, SE/4NE/4 Section 21: S/2, NE/4, S/2NW/4 Section 22: N/2, SW/4, N/2SE/4, SW/4SE/4	UTU-13905 HBP	Inland Production Company Key Production Company	(Surface Rights) USA

Attachment B
(Pg 1 of 2)

EXHIBIT B
Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
3	Township 9 South, Range 17 East Section 16: E/2, E/2W/2, SW/4NW/4, NW/4SW/4	ML-3453B HBP	Inland Production Company Yates Petroleum Corporation Abo Petroleum Corporation Myco Industries Yates Drilling Company	(Surface Rights) USA STATE (SITLA)

Attachment B
(Pg 2 of 2)


ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #13-15H

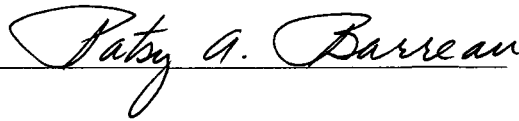
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____


Inland Production Company
John E. Dyer
Chief Operating Officer

Sworn to and subscribed before me this 24th day of March, 1998.

Notary Public in and for the State of Colorado: _____





My Commission Expires 11/14/2000

Attachment A

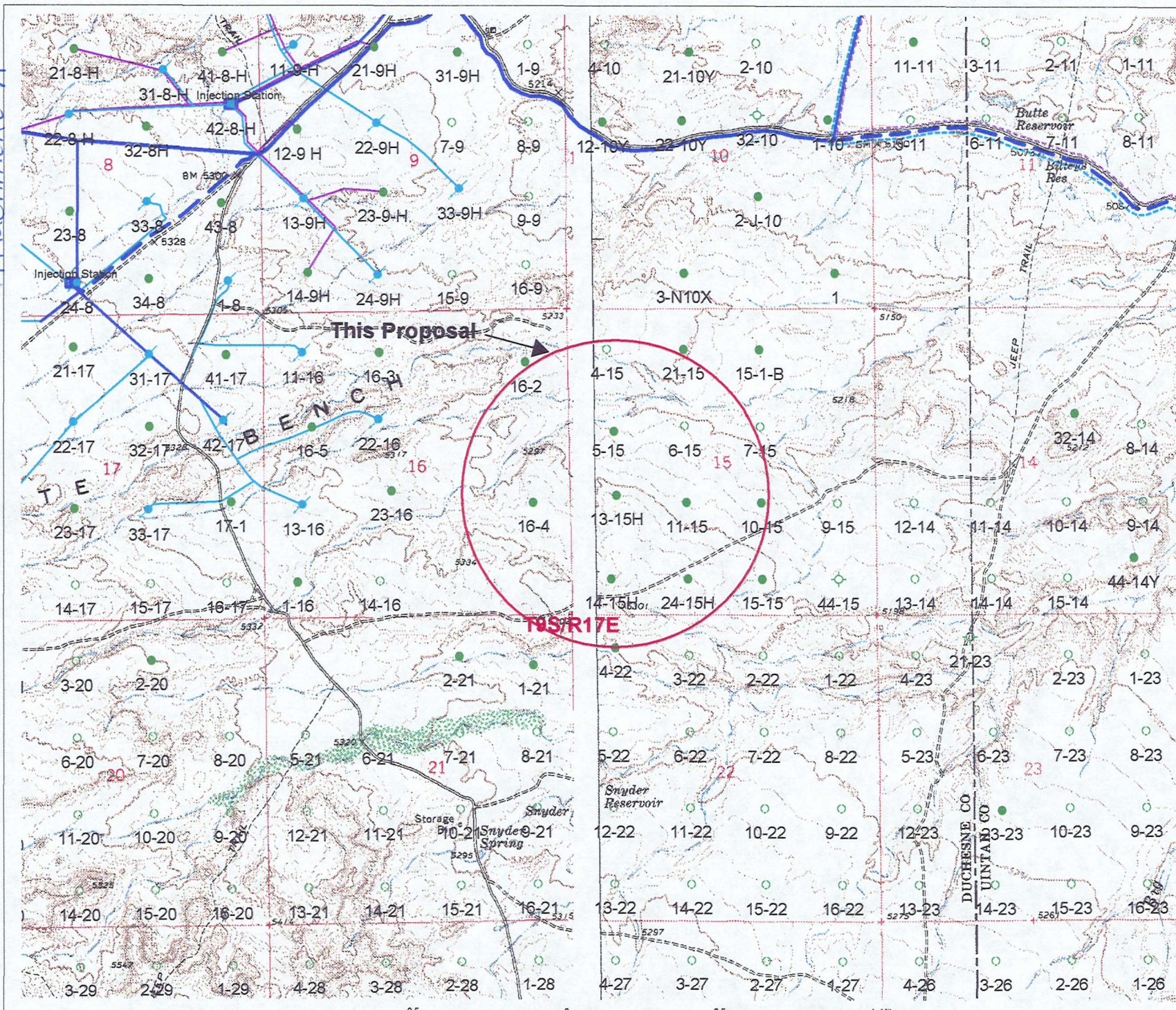


Exhibit "A"



- Legend
- INJ
 - OIL
 - GAS
 - O&G
 - DRY
 - SHUTIN
 - LOC
 - Proposed Water 6"
 - Water 6"
 - Water 4"
 - Water 2-3"
 - Proposed Water

Uthmaniyah
 401 W. 1st Street, Suite 100
 Denver, Colorado 80202
 Phone: 1-800-374-0700

UINTA BASIN
 Decks and Uthmaniyah, Utah

Dec 2008



T9S, R17E, S.L.B.&M.

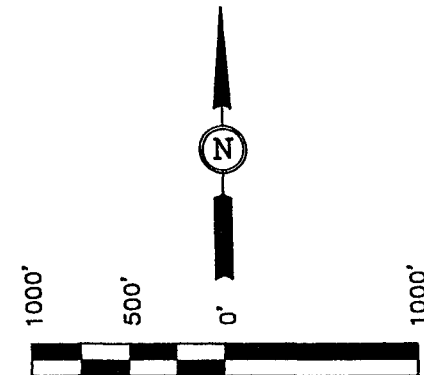
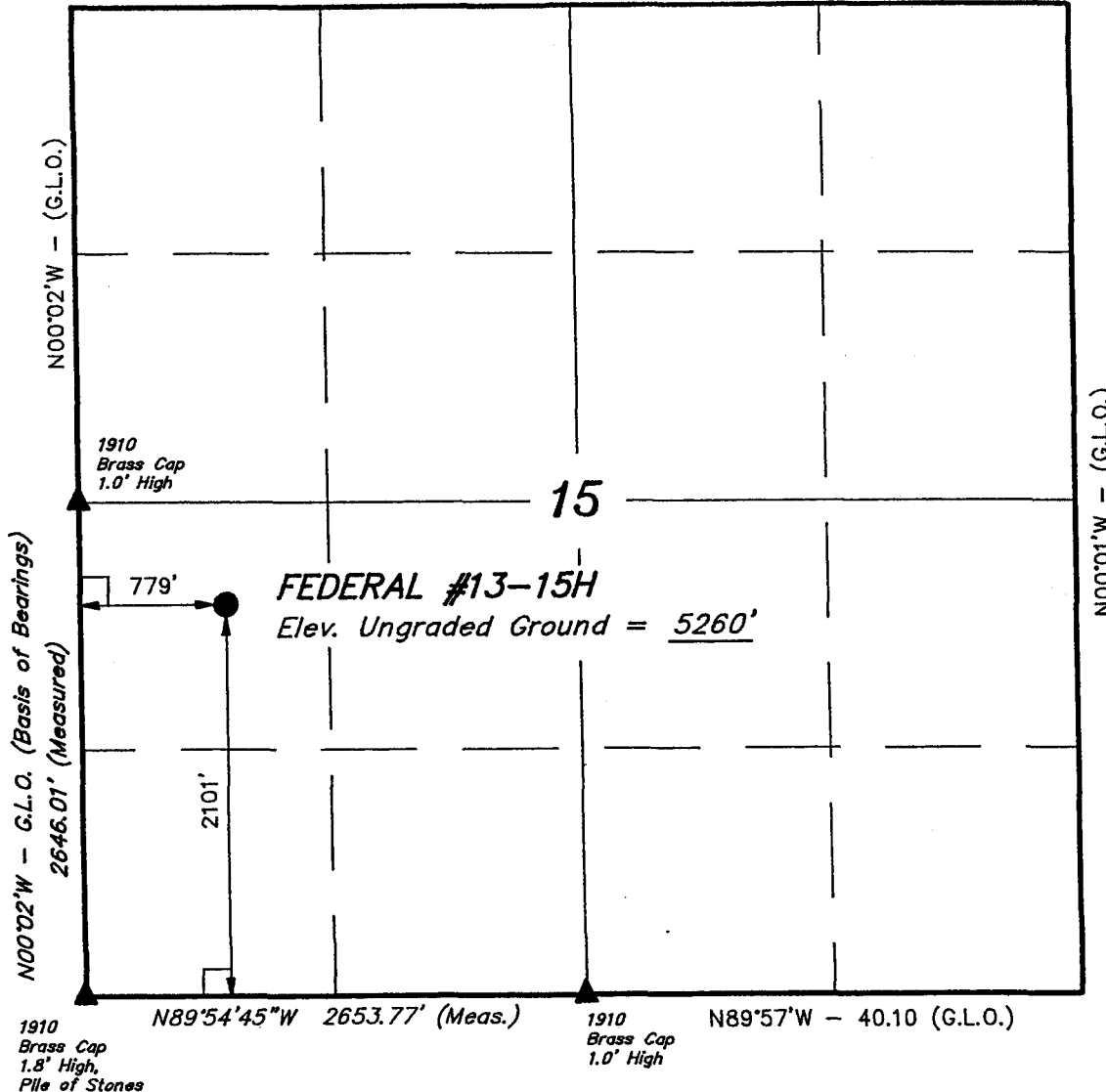
ENSERCH EXPLORATION, INC.

Well location, FEDERAL #13-15H, located as shown in the NW 1/4 SW 1/4 of Section 15, T9S, R17E, S.L.B.&M. Duchesne County, Utah.

N89°58'W - 80.14 (G.L.O.)

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 15, T9S, R17E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5302 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UNTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 7-12-96	DATE DRAWN: 7-15-96
PARTY B.B. C.G. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENSERCH EXPLORATION, INC.	

Federal #13-15H

Spud Date: 10/16/97

Put on Production: 4/08/97

GL: 5260' KB: 5273'

Initial Production: 77 BOPD, 0
MCFPD, 164 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH:

DEPTH LANDED: 415'

HOLE SIZE: 12-1/4"

CEMENT DATA: 290 sxs Premium cmt, est 31 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 135 jts. (5698')

DEPTH LANDED: 5698'

HOLE SIZE: 7-7/8"

CEMENT DATA: 210 sxs Hifill and 245 sxs Thixotropic

CEMENT TOP AT: 700' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 171 jts

TUBING ANCHOR: 4592'

TOTAL STRING LENGTH: 5321'

SN LANDED AT: 5321'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 9 sinker bars, 97-7/8" rods, 105-3/4" rods, 1-8', 1-6', 1-4' x 7/8"
pony rods

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHBC

STROKE LENGTH: ?

PUMP SPEED, SPM: ? SPM

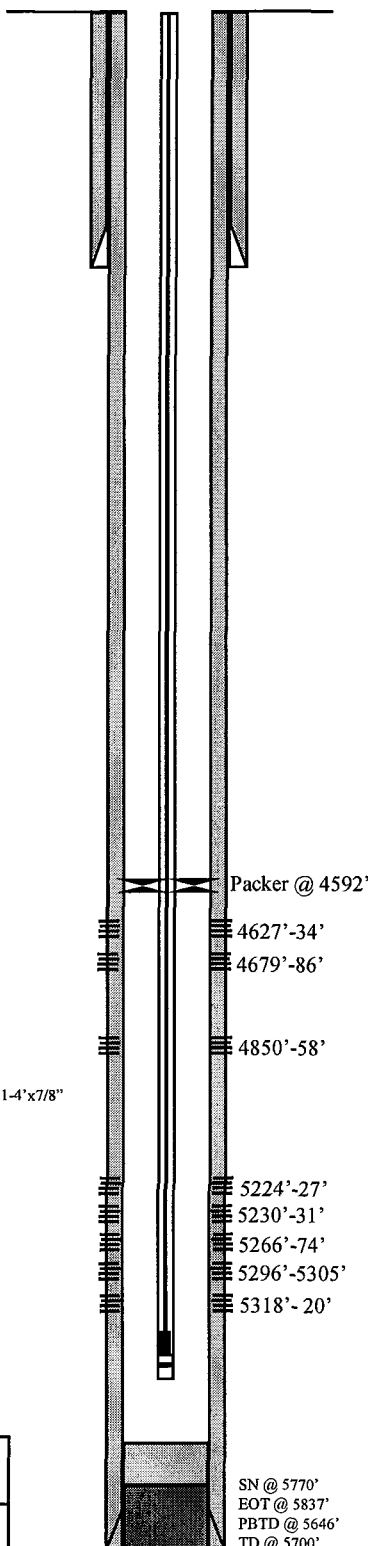
LOGS: DLL w/GR & SP (5660'-2750')

SDLT/DSN (5660'-2750')

CBL w/GR & CCL (5262'-6')

FRAC JOB

03/13/97	5224'-5320'	Frac sand as follows: Frac w/942 bbls of fluid and 203,500# 20/40 sand. Treated w/avg rate of 50.2 BPM w/avg press of 1800 psi. ISIP-1577 psi.
03/17/97	4850'-4858'	Frac sand as follows: 466 bbls of fluid and 86,100# 20/40 sand. Treated w/avg rate of 20.7 BPM w/avg press of 1850 psi. ISIP-1864 psi.
03/19/97	4627'-4686'	Frac sand as follows: 601 bbls of fluid and 130,600# 20/40 sand. Treated w/avg rate of 40 BPM w/avg press of 1950 psi. ISIP-1884 psi.

PERFORATION RECORD

03/13/97	5224'-5227'	2 JSPF	6 holes
03/13/97	5230'-5231'	2 JSPF	2 holes
03/13/97	5266'-5274'	2 JSPF	16 holes
03/13/97	5296'-5305'	2 JSPF	18 holes
03/13/97	5318'-5320'	2 JSPF	4 holes
03/15/97	4850'-4858'		
03/18/97	4627'-4634'	2 JSPF	14 holes
03/18/97	4679'-4686'	2 JSPF	14 holes



Inland Resources Inc.

Federal #13-15H

1980 FSL 660 FWL

NWSW Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-31698; Lease #U-74805

SN @ 5770'
EOT @ 5837'
PBTD @ 5646'
TD @ 5700'

South Pleasant Valley #5-15

Spud Date: 2/12/98

Put on Production:

GL: 5218' KB:

Initial Production: BOPD,
MCFPD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55 ST&C

WEIGHT: 24#

LENGTH: 7 jts. (291')

DEPTH LANDED: 306'

HOLE SIZE: 12-1/4"

CEMENT DATA: 140 sxs Premium Plus w/2% CC & 1/2#/sxs flocele

FRAC JOBPRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55 LT&C

WEIGHT: 15.5#

LENGTH: 5506'

DEPTH LANDED: 5519'

HOLE SIZE: 7-7/8"

CEMENT DATA: 265 sxs Hibond 65 Modified tail w/185 sxs
Thixotropic & 10% Calseal

CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.:

NO. OF JOINTS:

TUBING ANCHOR:

TOTAL STRING LENGTH:

SN LANDED AT:

SUCKER RODS

POLISHED ROD:

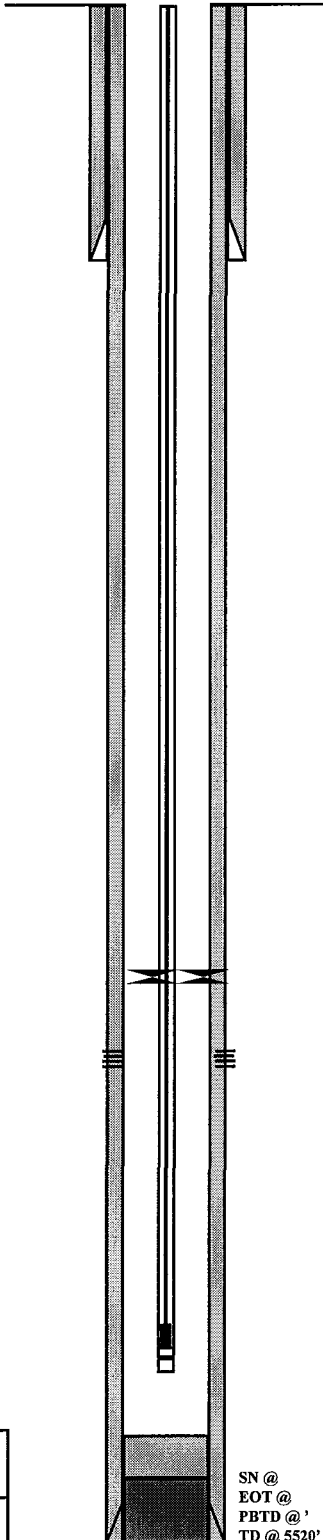
SUCKER RODS:

PUMP SIZE:

STROKE LENGTH:

PUMP SPEED:

LOGS: DIGL/SP/GR/CAL, DSN/SDL/GR

PERFORATION RECORDSN @
EOT @
PBTD @
TD @ 5520'

Inland Resources Inc.

South Pleasant Valley #5-15

2069' FNL & 759' FWL

SWNW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-31886; Lease #U-74805

South Pleasant Valley 10-15

Spud Date: 2/20/98

Put on Production:

GL: 5226' KB:

Initial Production: ? BOPD, ?
MCFPD, ? BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 5-1/2"

GRADE: J-55 LT&C

WEIGHT: 15.5#

LENGTH: 7 jts (291')

DEPTH LANDED: 307'

HOLE SIZE: 12-1/4"

CEMENT DATA: 280 sxs Hibond 65 Mod & 215 sx Thixotropic & 10%
CalsealPRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55 LT&C

WEIGHT: 15.5

LENGTH: 128 jts. (5469')

DEPTH LANDED: 5484'

HOLE SIZE: 4-7/8"

CEMENT DATA: 280 sxs Hibond 65 Modified tail w/215 sxs
Thixotropic & 10% CalsealTUBING

SIZE/GRADE/WT.:

NO. OF JOINTS:

TUBING ANCHOR:

TOTAL STRING LENGTH:

SN LANDED AT:

ROD STRING

POLISHED ROD:

SUCKER RODS:

PUMP SIZE:

STROKE LENGTH:

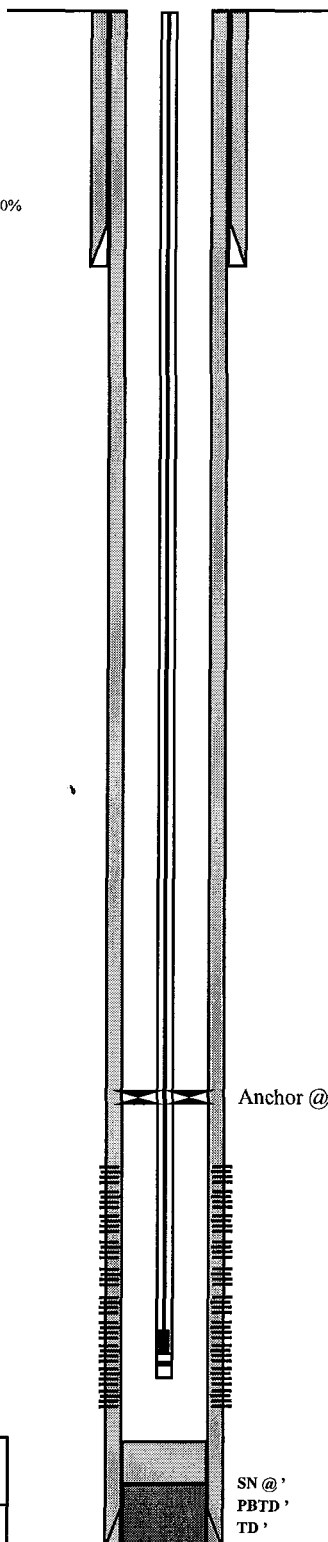
LOGS: DIGL/SP/GR/CAL (5458'-306')

DSN/SDL/GR (5426'-3000')

FRAC JOB

DATE DEPTHS'

DATE DEPTHS'

PERFORATION RECORD

Anchor @

SN @ '
PBTD '
TD '

Inland Resources Inc.

SOUTH PLEASANT VALLEY 10-15

1980' FSL and 1980' FEL

NWSE Section 18-T9S-R16E

Duchesne Co, Utah

API #43-013-32022; Lease #U-74805

S. Pleasant Valley #11-15

Spud Date: 1/26/98

Put on Production: 3/11/98

GL: 5240' KB: 5250'

Initial Production: ? BOPD, ?
MCFPD, ? BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (294')

DEPTH LANDED: 309'

HOLE SIZE: 12-1/4"

CEMENT DATA: 140 sxs Premium cmt, est 7 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 128 jts. (5474')

DEPTH LANDED: 5488'

HOLE SIZE: 7-7/8"

CEMENT DATA: 260 sxs Hifill and 210 sxs Thixotropic

CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 172 jts

TUBING ANCHOR: 5223'

TOTAL STRING LENGTH: (EOT @ 5351')

SN LANDED AT: 5316'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 3-11/2" wt rods, 4-3/4" scraped, 108-3/4" plain, 96-3/4" scraped, 1-8", 1-2" x 3/4" pony rods

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC

STROKE LENGTH: 56"

PUMP SPEED, SPM: 7 SPM

LOGS: HRI/SP/GR/CAL (5482'-307')

DSN/SDL/GR (5450'-3000')

FRAC JOB

03/03/98 5246'-5299'

Frac CP sand as follows:

Frac w/120,000# 20/40 sand in 577 bbls of Delta Frac. Breakdown perms @ 2636 psi. Treated w/avg press of 1800 psi w/avg rate of 30.5 BPM. ISIP-1932 psi, 5 min 1748 psi. Flowback on 12/64" ck for 6 hrs & died.

03/06/98 4851'-4859'

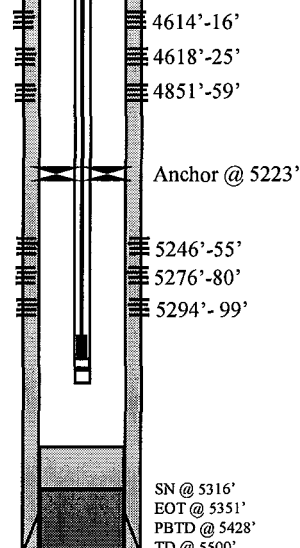
Frac A sand as follows:

Frac w/120,300# 20/40 sand in 595 bbls Delta Frac. Breakdown perms @ 3011 psi. Treated w/avg press of 3150 psi w/avg rate of 28.9 BPM. ISIP-3249 psi, 5 min 3117 psi. Flowback on 12/64" ck for 5-1/2 hrs & died.

03/08/98 4614'-4625'

Frac sand as follows:

Frac w/ 120,300# 20/40 sand in 560 bbls Delta Frac. Breakdown perms @ 2892 psi. Treated w/avg press of 1436 psi, w/avg rate of 26 BPM. ISIP-1855 psi, 5 min 1669 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.

PERFORATION RECORD

03/01/98	5246'-5255'	4 JSPF	36 holes
03/01/98	5276'-5280'	4 JSPF	16 holes
03/01/98	5294'-5299'	4 JSPF	20 holes
03/04/98	4851'-4859'	4 JSPF	32 holes
03/07/98	4614'-4616'	4 JSPF	16 holes
03/07/98	4618'-4625'	4 JSPF	28 holes



Inland Resources Inc.

S. Pleasant Valley #11-15

1980 FSL 1980 FWL

NESW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-31991; Lease #U-74805

Federal #14-15H

Spud Date: 1/08/97

Put on Production: 3/06/97

GL: 5282' KB: 5295'

Initial Production: 132 BOPD,
100 MCFPD, 35 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55 ST&C

WEIGHT: 24#

LENGTH: 10 jts. (400')

DEPTH LANDED: 400'

HOLE SIZE: 12-1/4"

CEMENT DATA: 290 sxs Premium w/2% CaCl₂PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55 LT&C

WEIGHT: 15.5#

LENGTH: 136 jts. (5700')

DEPTH LANDED: 5700'

HOLE SIZE: 7-7/8"

CEMENT DATA: 260 sxs Mod Hi-fill. Tail w/170 sxs Prem neat

CEMENT TOP AT: 750' est

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 169 jts

TUBING ANCHOR: 3896'

TOTAL STRING LENGTH: 5335'

SN LANDED AT: 5302'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 92 - 7/8" rods (scrapered), 110 - 3/4" rods, 9 - sinker bars

PUMP SIZE: 2-1/2" x 1-3/4" x 15' RHAC

STROKE LENGTH:

PUMP SPEED, SPM: SPM

LOGS: DLL/GR/SP, SDLTL, DSN, CBL/GR/CCL

FRAC JOB

02/23/97	3915'-3928'	529 bbls fluid and 99,200# 20/40 ss w/3 radioactive tracers @ 20 BPM (1750 psi). ISIP-1943 psi. Flowed back 77 bbls fluid in 2-1/2 hrs.
02/20/97	4413'-4428'	529 bbls fluid and 99,200# 20/40 ss @ 20 BPM (1750 psi). ISIP-2009. Immed flow back of 82 bbls fluid.
02/18/97	4523'-4570'	455 bbls fluid and 85,400# 20/40 ss @ 24.5 BPM (1960 psi). ISIP-1822 psi. Flowed back 121 bbls fluid in 4 hrs.
2/15/97	4784'-4835'	817 bbls fluid and 156,000# 20/40 ss @ 35.8 BPM (1950 psi). ISIP 2150. Flowed back 175 bbls fluid in 4 hrs.
2/13/97	5225'-5235'	524 bbls fluid and 94,300# 20/40 ss @ 32.5 BPM (2419 psi). ISIP 1750. Immed flowed back 400 bbls fluid in 3-1/2 hrs.

Anchor @ 3896'

3915'-3928'

4413'-4428'

4523'-4570'

4784'-4835'

5225'-5280'

PERFORATION RECORD

"A" Sand	3915'-3928'	52 Holes
"DC4"	4413'-4428'	60 Holes
"DC5 & D"	4523'-4570'	48 Holes
"Ee"	4784'-4835'	132 Holes
"F2"	5225'-5280'	64 Holes

SN @ 5302'
EOT @ 5335'
PBTB @ 5629'
TD @ 5700'

Inland Resources Inc.

Federal #14-15H

660' FSL & 660' FWL

SWSW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-31695; Lease #U-74805

Federal #24-15H

Spud Date: 9/11/82

Put on Production: 12/08/82

GL: 5282' KB: 5296'

Initial Production: 100 BOPD,
115 MCFPD, 3.3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"

GRADE: k-55 ST&C

WEIGHT: 36#

LENGTH: 7 jts. (315')

DEPTH LANDED: 315'

HOLE SIZE: 12-1/4"

CEMENT DATA: 130 sxs

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: N-80 LT&C

WEIGHT: 17# and 20#

LENGTH: 115 jts (1411') and 115 jts (4539')

DEPTH LANDED: 5952'

HOLE SIZE: 7-7/8"

CEMENT DATA: 80 sxs Diamix "F" Tail w/685 sxs Ideal 50/50

TOP OF CEMENT: 2570' est

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 165 jts

TUBING ANCHOR: 3914'

TOTAL STRING LENGTH: 5821'

SN LANDED AT: 5249'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'

SUCKER RODS: 99 - 7/8" rods (scrapered), 97 - 3/4" rods (slick), 5 - 3/4" rods (scrapered), 9 sinker bars

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC

STROKE LENGTH:

PUMP SPEED, SPM: SPM

LOGS: DIL/GR/SP, FDC/CNL/GR/CAL, PROX MICRO LOG

Top of fish @ 5372'
(Fish is 9 jts 2-7/8" tbg
SN, 1 jt 2-7/8" tbg,
3' 2-7/8" perf sub &
notched collar)

FRAC JOB

7-9-96	3918'-3942'	22,722 gal gel & 69,000# 16/30 ss @ 35.2 BPM (2000 psi). ISIP 2200. Flowed back 3 hrs.
11-21-82	4435'-4438' 4536'-4540' 4612'-4615'	36,080 gals fluid & 108,000 20/40 ss @ 30 BPM (2190 psi). ISIP 1790. Flowed back 60 bbls fluid in 1-1/2 hrs
11-18-82	4914'-4918'	31,050 gal fluid & 60,500 @ 20/40 ss @ 15 BPM (2397 psi). ISIP 2370. Flowed back 159 bbls in 4 hrs.
12/15/82	4914'-4918'	31,050 gals gelled wtr & 60,500 20/40 ss.
11-18-82	5218'-5220' 5240'-5244' 5286'-5288'	25,400 gal fluid & 64,000 # 20/40 ss @ 30 BPM (2194 psi). ISIP 1550. Flowed back 150 bbls in 3-1/2 hrs then died.

PERFORATION RECORD

4435'-4438'	1 SPF	4 Holes
4536'-4540'		5 holes
4612'-4615'		4 Holes
4914'-4918'	3 SPF	13 Holes
5218'-5220'	1 SPF	3 Holes
5240'-4244'	1 SPF	5 Holes
5286'-5288'	1 SPF	3 Holes

Anchor @ 3914'

3918'-3942'

4435'-4438'

4536'-4540'

4612'-4615'

4914'-4918'

5218'-5220'

5240'-4244'

5286'-5288'

SN @ 5249'
EOT @ '
PBTB @ 5855'
TD @ 5952'



Inland Resources Inc.

Federal #24-15H

659' FSL & 1980' FWL

SWSW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-30681; Lease #U-10760

South Pleasant Valley #4-22

Spud Date: 9/28/95
Put on Production: 1/7/96
GL: 5253' KB: 5266'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (305')
DEPTH LANDED: 304'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt + 1/4#/sk flocele

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: ? jts. (?)
DEPTH LANDED: 5626'
HOLE SIZE: 7-7/8"
CEMENT DATA: 265 sk Hyfill mixed & 250 sxs thixotropic
CEMENT TOP AT: ?

TUBING

SIZE/GRADE/WT.: 2-7/8" / WC-50 / 6.5#
NO. OF JOINTS: ? jts. (?)
TUBING ANCHOR: ?
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: ? (EOT @ ?)
SN LANDED AT: ?

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" guided, 82-3/4" slick rods, 95-3/4" guided
PUMP SIZE: 2-1/2" x 1-1/2" x 16'
STROKE LENGTH: ?
PUMP SPEED, SPM: ? SPM
PUMPING UNIT SIZE: ?
PRIME MOVER: ?
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

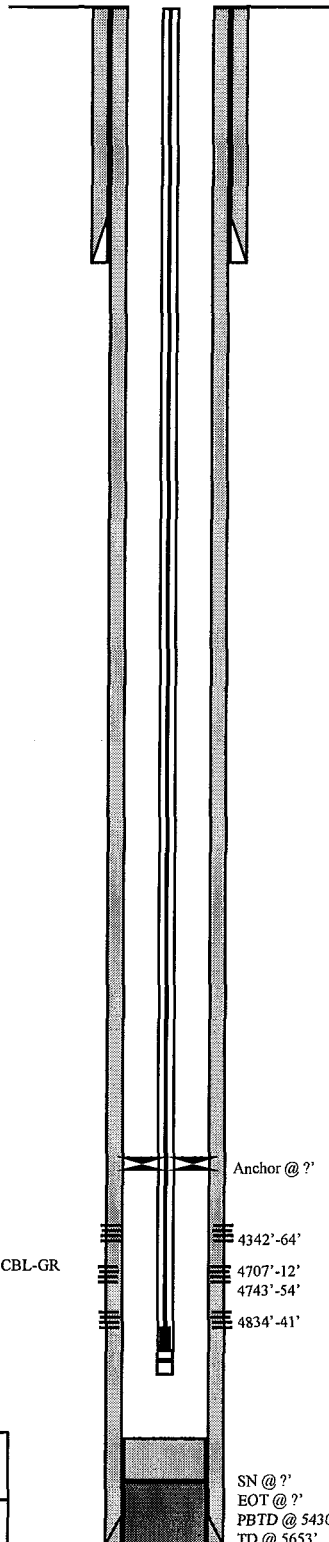
12/21/96 4834'-4841' Frac LDC sand as follows:
21,300# 20/40 sd in 274 bbls Boragel @
avg 17 BPM rate @ 2230 psi. ISIP: 2103
psi, 5-min 1190 psi, 10-min 1203 psi.
Flowback @ 1 bpm on 12/64" ck for 2-
1/2 hours.

12/23/96 4707'-4754' Frac A sand as follows:
48,500# 20/40 sd in 386 bbls of Boragel
@ avg rate 22 bpm @ 1800 psi. ISIP-
1841 psi, 5-min 1784 psi, 10-min 1733
psi. Flowback @ 1 bpm on 12/64" ck.

12/27/96 4342'-4364' Frac D-2 sand as follows:
Pump 3400 gall pad then csg pressured
up to 4000 psi w/ no leakoff. Press up to
4500 psi, no break. Bleed csg off.

PERFORATION RECORD

12/20/96	4384'-4841'	4 JSPF	28 holes
12/22/96	4707'-4712'	4 JSPF	20 holes
12/22/96	4743'-4754'	4 JSPF	40 holes
12/24/96	4342'-4364'	4 JSPF	88 holes



Inland Resources Inc.

South Pleasant Valley #4-22

534 FNL 715 FWL

NWNW Section 22-T9S-R17E

Duchesne Co, Utah

API #43-013-31522; Lease #U-13905

K. Jorgenson State 16-4

Spud Date: 6/25/81
 Put on Production: 10-21-81
 GL: 5277' KB: 5289'

Initial Production: 12 BOPD,
 0 MCFPD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE:
 WEIGHT:
 DEPTH LANDED: 261'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 428 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2" & 4-1/2"
 GRADE:
 WEIGHT: 15.5#
 LENGTH:
 DEPTH LANDED: 3013' & 5750'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 855 sxs 50/50 Type 5W

TUBING

SIZE/GRADE/WT.: 2-3/8" / 11.6#
 NO. OF JOINTS:
 TUBING ANCHOR:
 TOTAL STRING LENGTH: 4049'
 SN LANDED AT:

ROD STRING

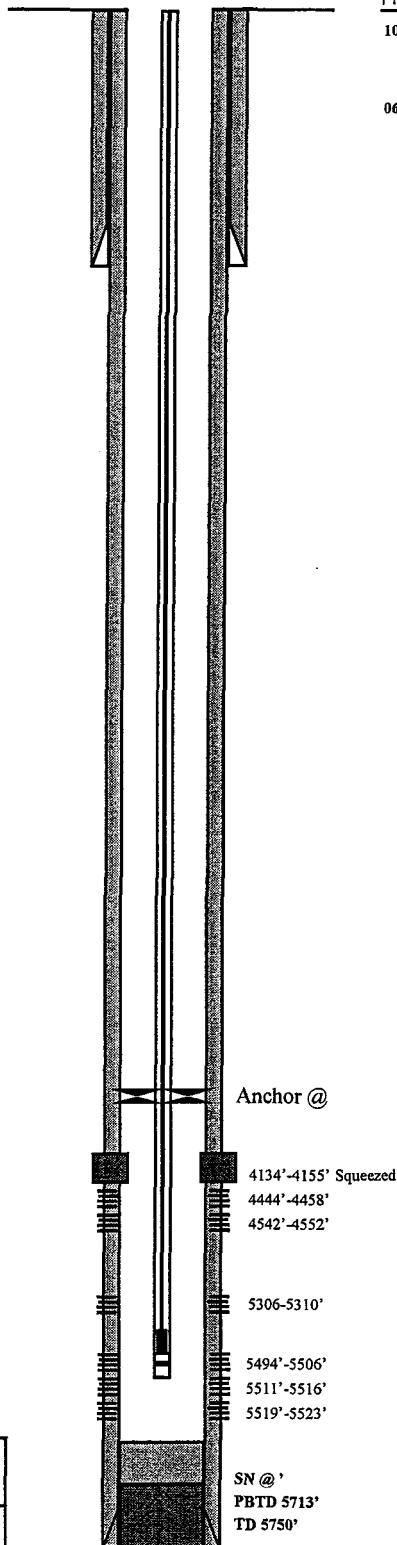
POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 LOGS: DIFL, DNGR, CBL

FRAC JOB

10/81	4134'-4552'	16,168# 20/40 sd and 45,000 10/20# sd. 196 bbls diesel, 90 bbls flush.
06/84	5494'-5523'	390 sxs 20/40 sd and gel wtr
	5306'-5310'	200 sxs 20/40 sd and gel wtr
	4134'-4552'	1500 sxs 20/40 sd and gel wtr,

PERFORATION RECORD

6/84	5306'-5310'	2 SPF
06/84	5494'-5506'	2 SPF
	5511'-5516'	2 SPF
	5519'-5523'	2 SPF
10/81	4134'-4155'	2 SPF Cement Squeezed 6/84
	4444'-4458'	2 SPF
	4542'-4552'	2 SPF



Inland Resources Inc.

K. Jorgenson State 16-4
 660' FEL and 1984' FSL
 NESE Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30572; Lease #ML-3453B

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727

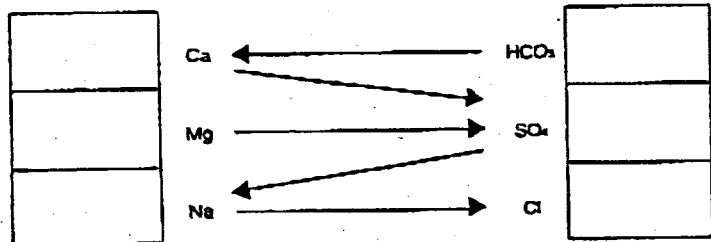
Attachment F

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 01-14-98
 Source Johnson Water
FRESH WATER Date Sampled _____ Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO ₃)		CO ₃ <u>0</u>	÷ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)		HCO ₃ <u>300</u>	÷ 61 <u>5</u> HCO ₃
7. Hydroxyl (OH)		OH <u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	÷ 35.5 <u>1</u> Cl
9. Sulfates (SO ₄)		SO ₄ <u>110</u>	÷ 48 <u>2</u> SO ₄
10. Calcium (Ca)		Ca <u>44</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		Mg <u>22</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

*Mill equivalents per liter

PROBABLE MINERAL COMPOSITION**Saturation Values**CaCO₃CaSO₄ · 2H₂OMgCO₃**Distilled Water 20°C**

13 Mg/l

2,090 Mg/l

103 Mg/l

Compound	Eqv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>1</u>			<u>84</u>
Na ₂ SO ₄	71.03	<u>2</u>			<u>142</u>
NaCl	58.46	<u>1</u>			<u>59</u>

REMARKS _____

435 722 5727

Attachment F-1

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (435) 722-5066
Fax (435) 722-5727**WATER ANALYSIS REPORT**

Company INLAND Address _____ Date 04-08-98
 Source SPV 11-15-9-17 TR Date Sampled _____ Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	8.6		
2. H ₂ S (Qualitative)	15		
3. Specific Gravity	1.017		
4. Dissolved Solids		15,816	
5. Alkalinity (CaCO ₃)			
6. Bicarbonate (HCO ₃)			
7. Hydroxyl (OH)			
8. Chlorides (Cl)			
9. Sulfates (SO ₄)			
10. Calcium (Ca)			
11. Magnesium (Mg)			
12. Total Hardness (CaCO ₃)			
13. Total Iron (Fe)			
14. Manganese			
15. Phosphate Residuals			

CO ₃	0	+ 30	0	CO ₃
HCO ₃	2,200	+ 61	36	HCO ₃
OH	0	+ 17	0	OH
Cl	7,800	+ 35.5	219	Cl
SO ₄	0	+ 48	0	SO ₄
Ca	6	+ 20	0	Ca
Mg	10	+ 12.2	1	Mg
	58			
	20			
	0.1			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04				
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	1			73
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	35			2,940
Na ₂ SO ₄	71.03				
NaCl	58.46	219			12,803

0	Ca	HCO ₃	36
1	Mg	SO ₄	0
254	Na	Cl	219

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,080 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

Received Time Apr. 13. 3:05PM

435 722 5727

Attachment F-2

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

04-13-98

WATER DESCRIPTION:	JOHNSON WATER	SPV 11-15-9-17 TR
P-ALK AS PPM CaCO ₃	0	0
M-ALK AS PPM CaCO ₃	492	3608
SULFATE AS PPM SO ₄	110	0
CHLORIDE AS PPM Cl	35	7800
HARDNESS AS PPM CaCO ₃	0	0
CALCIUM AS PPM CaCO ₃	110	15
MAGNESIUM AS PPM CaCO ₃	90	41
SODIUM AS PPM Na	92	5842
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	15816
TEMP (DEG-F)	150	150
SYSTEM pH	7	8.6

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND SPV 11-15-9-17 TR

CONDITIONS: TEMP.=150 AND pH=7.8

WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.13	34	0	0	0
90	1.25	32	0	0	0
80	1.30	30	0	0	0
70	1.30	27	0	0	0
60	1.29	23	0	0	0
50	1.24	20	0	0	0
40	1.18	17	0	0	0
30	1.10	13	0	0	0
20	.99	10	0	0	0
10	.86	7	0	0	0
0	.66	4	0	0	0

Attachment G

Federal #13-15H
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5224	5320	5272	1577	0.73	1540
4850	4858	4854	1864	0.82	1866
4627	4686	4657	1884	0.84	1873
				Minimum	1540

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.

HALLIBURTON

Well No. 13-15H Lease FEDERAL

Job Id 0028501007

ENERGY SERVICES

Customer ENSERCH EXPLORATION INC

Date 03-13-97

JOB SUMMARY

Job Type FRAC JOBS

Operator GUINN/COOK

Perfs: 5224'-5320'

Job Information

CONTRACTOR: BASIN WELL SERVICE
JOB PURPOSE: 08 FRAC JOBS
JOB DESCRIPTION: BORAGEL G3019.5
PERFORMED THRU:
CALLED OUT: 03-13-97 04:00
ON LOCATION: 03-13-97 06:30
STARTED: 03-13-97 10:17
COMPLETED: 03-13-97 11:00

Well Information

OWNER NAME: ENSEARCH
WELL TYPE: 001 Oil
MUD TYPE:
BOT HOLE TEMP: 135
TOTAL DEPTH: 5800
WELL CATEGORY: 001 Development
MUD WEIGHT:
BOT HOLE PSI: 3000
PBTD: 5466

Pressures in PSI

AVERAGE: 1800
BREAKDOWN: 2250
FLUSH: 1830
ISIP: 1577
10-MIN: 1336
MAXIMUM: 2517
FRAC GRADIENT: .74
5-MIN: 1394
15-MIN: 1295

Volumes

PREPAD: GAL
LOAD & BKDN: 4650 GAL
FLUSH: 5312 GAL
PAD: 6500 GAL
GAS ASSIST: TON
FOAM QUALITY: %
TOTAL VOLUME: 39581 GAL
PREPAD TYPE:
TREATMENT: 27751 GAL
TYPE:
TOTAL VOL FOAM 0.00
AT: SC
GAL

Hydraulic Horsepower

ORDERED: 4000 AVAILABLE: 4000 USED: 2294

Average Rates in BPM

TREATING: 50.5 FLUSH: 50.8 OVERALL: 50.2

HALLIBURTON

Well No. 13-15H Lease FEDERAL

Job Id 0028501007

ENERGY SERVICES

Customer ENSERCH EXPLORATION INC

Date 03-16-97

JOB SUMMARY

Job Type FRAC JOBS

Operator HAMNER/CUR

Perfs: 4840'-4848'

Job Information

CONTRACTOR: BASIN WELL SERVICE
 JOB PURPOSE: 08 FRAC JOBS
 JOB DESCRIPTION: 670 BORAGEL G30195
 PERFORMED THRU:
 CALLED OUT: 03-16-97 4:00
 ON LOCATION: 03-16-97 07:00
 STARTED: 03-16-97 09:45
 COMPLETED: 03-16-97 10:15

Well Information

OWNER NAME:	ENSEARCH	WELL CATEGORY:	001 Development
WELL TYPE:	001 Oil	MUD WEIGHT:	
MUD TYPE:		BOT HOLE PSI:	2100
BOT HOLE TEMP:	135	PBTD:	5633
TOTAL DEPTH:	5800		

Pressures in PSI

AVERAGE:	1850	MAXIMUM:	2036
BREAKDOWN:	2036		
FLUSH:	1864	FRAC GRADIENT:	.82
ISIP:	1864	5-MIN:	1783
10-MIN:	1745	15-MIN:	1684

Volumes

PREPAD:	0.00	GAL	PREPAD TYPE:		
LOAD & BKDN:	4020	GAL	TREATMENT:	11715	GAL
FLUSH:	4848	GAL			
PAD:	3000	GAL			
GAS ASSIST:		TON	TYPE:		AT: SC
FOAM QUALITY:		%	TOTAL VOL FOAM	0.00	GAL
TOTAL VOLUME:	19562	GAL			

Hydraulic Horsepower

ORDERED:	3000	AVAILABLE:	3000	USED:	1002
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Average Rates in BPM

TREATING:	20.7	FLUSH:	22.1	OVERALL:	20.7
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HALLIBURTON

Well No. 13-15H Lease FEDERAL

Job Id 0028501007

ENERGY SERVICES

Customer ENSERCH EXPLORATION INC

Date 03-18-97

JOB SUMMARY

Job Type FRAC JOBS

Operator HAMNER/BOW

Perfs: 4627'-4686'

Job Information

CONTRACTOR: BASIN WELL SERVICE
 JOB PURPOSE: 08 FRAC JOBS
 JOB DESCRIPTION: 670 BORAGEL G30195
 PERFORMED THRU:
 CALLED OUT: 03-18-97 4:00
 ON LOCATION: 03-18-97 7:00
 STARTED: 03-18-97 10:25
 COMPLETED: 03-18-97 10:47

Well Information

OWNER NAME:	ENSEARCH	WELL CATEGORY:	001 Development
WELL TYPE:	001 Oil	MUD WEIGHT:	
MUD TYPE:		BOT HOLE PSI:	3000
BOT HOLE TEMP:	130	PBTD:	5633
TOTAL DEPTH:	5800		

Pressures in PSI

AVERAGE:	1950	MAXIMUM:	2500
BREAKDOWN:	1535		
FLUSH:	1830	FRAC GRADIENT:	.84
ISIP:	1884	5-MIN:	1677
10-MIN:	1708	15-MIN:	1684

Volumes

PREPAD:	0.00	GAL	PREPAD TYPE:		
LOAD & BKDN:	4230	GAL	TREATMENT:	16101	GAL
FLUSH:	4625	GAL			
PAD:	4500	GAL			
GAS ASSIST:		TON	TYPE:		AT: SC
FOAM QUALITY:		%	TOTAL VOL FOAM	0.00	GAL
TOTAL VOLUME:	25233	GAL			

Hydraulic Horsepower

ORDERED:	4000	AVAILABLE:	4000	USED:	2126
----------	------	------------	------	-------	------

Average Rates in BPM

TREATING:	40	FLUSH:	40.1	OVERALL:	40
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ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** **Set 246' plug from 5124'-5370' with 30 sxs Class "G" cement.**
2. **Plug #2** **Set 381' plug from 4527'-4908' with 30 sxs Class "G" cement.**
3. **Plug #3** **Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.**
4. **Plug #4** **Set 100' plug from 365'-465' (50' on either side of casing shoe) with 15 sxs Class "G" cement.**
5. **Plug #5** **Set 50' plug from surface with 10 sxs Class "G" cement.**
6. **Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 415' to surface.**

The approximate cost to plug and abandon this well is \$18,000.

Federal #13-15H

Spud Date: 10/16/97

Put on Production: 4/08/97

GL: 5260' KB: 5273'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH:

DEPTH LANDED: 415'

HOLE SIZE: 12-1/4"

CEMENT DATA: 290 sxs Premium cmt, est 31 bbls to surf.

Proposed P&A
Wellbore DiagramPRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

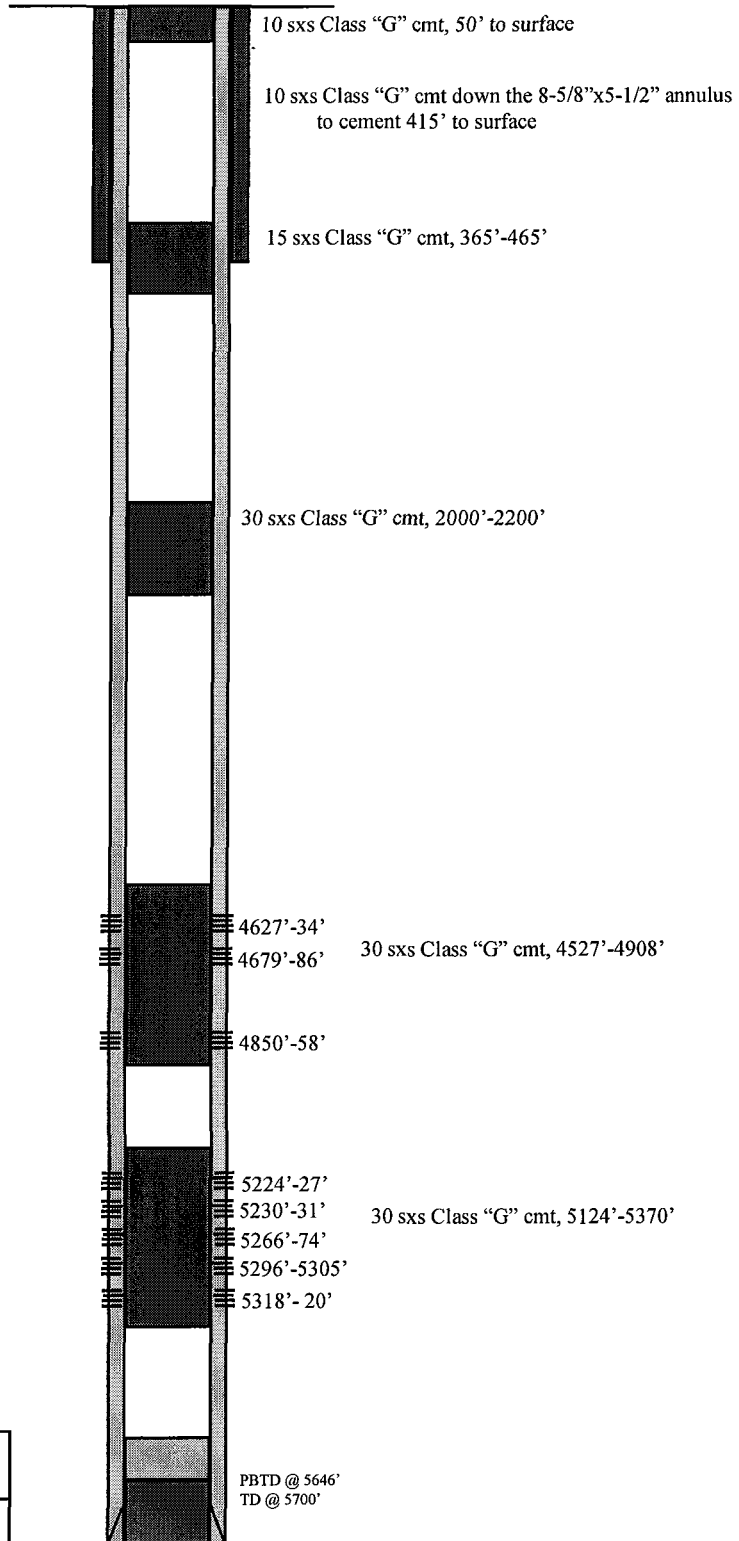
LENGTH: 135 jts. (5698')

DEPTH LANDED: 5698'

HOLE SIZE: 7-7/8"

CEMENT DATA: 210 sxs Hifill and 245 sxs Thixotropic

CEMENT TOP AT: 700' per CBL



Inland Resources Inc.

Federal #13-15H

1980 FSL 660 FWL

NWSW Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-31698; Lease #U-74805

PERMIT STATEMENT OF BASIS

API: 43-013-31698

amented to
top at the
ne. A 2 7/8
I be run on
of the wells

1

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Federal #13-15H

Location: 15/9S/17E

API: 43-013-31698

Note: A complete Statement of Basis was prepared for the Lone Tree Unit Project. All of the issues below were addressed in detail. This statement addresses only well specific issues.

Ownership Issues: The proposed well is located on BLM land. The well is located in the proposed Lone Tree Unit. A request for Board approval of the unit, secondary recovery operations and for this well has been submitted. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah (SITLA). The Federal Government and the State of Utah are the mineral owners. Inland and various other individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Lone Tree Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 415 feet and is cemented to surface. A 5 ½ inch production casing is set at 5698 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4592 feet. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 300 feet. Injection shall be limited to the interval between 4627 feet and 5320 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the #13-15H well is .73 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1540 psig. The requested maximum pressure is 1540 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal #13-15H
page 2

Oil/Gas& Other Mineral Resources Protection: The proposed Lone Tree Unit (cause 228-5) matter will be heard before the Board of Oil, Gas and Mining on May 27, 1998. Correlative rights issues will be addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune the Vernal Express and the Uinta Basin Standard. BLM approval of the Unit is necessary. A casing/tubing pressure test will be required prior to injection. After hearing and testimony if there are no outstanding issues it is recommended that approval be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date: 5/21/98



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****LONE TREE (GREEN RIVER)****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FED NGC 21-15	15	090S	170E	4301330614	12417	Federal	WI	A
NGC 24-15H FED	15	090S	170E	4301330681	12417	Federal	OW	P
FEDERAL 14-15H	15	090S	170E	4301331695	12417	Federal	WI	A
FEDERAL 13-15H	15	090S	170E	4301331698	12417	Federal	OW	P
S PLEASANT VALLEY 5-15-9-17	15	090S	170E	4301331886	12417	Federal	WI	A
S PLEASANT VALLEY 11-15-9-17	15	090S	170E	4301331991	12417	Federal	WI	A
S PLEASANT VALLEY 15-15-9-17	15	090S	170E	4301331992	12417	Federal	WI	A
S PLEASANT VALLEY FED 4-15-9-17	15	090S	170E	4301332018	12417	Federal	OW	P
S PLEASANT VALLEY FED 6-15-9-17	15	090S	170E	4301332019	12417	Federal	OW	P
S PLEASANT VALLEY FED 7-15-9-17	15	090S	170E	4301332020	12417	Federal	WI	A
S PLEASANT VALLEY FED 10-15-9-17	15	090S	170E	4301332022	12417	Federal	OW	P
STATE 16-2	16	090S	170E	4301330552	12417	State	OW	TA
K JORGENSEN ST 16-4	16	090S	170E	4301330572	12417	State	WI	A
LONE TREE 10-16-9-17	16	090S	170E	4301332087	12417	State	OW	P
LONE TREE 15-16-9-17	16	090S	170E	4301332089	12417	State	OW	P
LONE TREE 16-16-9-17	16	090S	170E	4301332150	12417	State	OW	P
S PLEASANT VALLEY FED 2-20	20	090S	170E	4301331737	12417	Federal	OW	P
S PLEASANT VALLEY FED 1-21	21	090S	170E	4301331563	12417	Federal	WI	A
S PLEASANT VALLEY FED 4-22	22	090S	170E	4301331522	12417	Federal	OW	P
S PLEASANT VALLEY FED 2-22-9-17	22	090S	170E	4301332023	12417	Federal	OW	P
S PLEASANT VALLEY FED 3-22-9-17	22	090S	170E	4301332024	12417	Federal	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

Ref: 8P-W-GW

AUG 13 2009

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, CO 80202

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RE: Additional Well: Lone Tree Area Permit
UIC Permit No. UT20853-00000
Well ID: UT20853-08411
Federal 13-15H-9-17
2101' FSL & 779' FWL
NW SW Sec. 15 T9S-R17E
Duchesne County, Utah
API #43-013-31698

Dear Mr. Sundberg:

The Newfield Production Company request to convert the former Green River Formation oil well Federal 13-15H-9-17 to an enhanced recovery injection well under the Lone Tree Area Permit is hereby authorized by the Environmental Protection Agency Region 8 (EPA) under the terms and conditions described in the Authorization for Additional Well.

The addition of the proposed injection well within the exterior boundary of the Uintah & Ouray Indian Reservation is being made under the authority of 40 CFR §144.33 (c), terms of the Lone Tree Area Permit No. UT20853-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations until all Prior to Commencing Injection Requirements have been submitted and evaluated by EPA and written authorization to begin injection is given by the Director. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depth of 3,412 feet and the top of the Wasatch Formation, estimated to be at 5,821 feet.

RECEIVED

AUG 17 2009

DIV. OF OIL, GAS & MINING

Prior to receiving authorization to inject, EPA requires that Newfield submit for review and approval: (1) a complete EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram, (2) a pore pressure calculation of the injection interval, and (3) the results of a Part I (Internal) Mechanical Integrity Test.

The initial Maximum Allowable Injection Pressure (MAIP) for the Federal 13-15H-9-17 is 1,340 psig. UIC Area Permit UT20853-00000 allows the permittee to request a change in the MAIP based upon results of a step rate test which demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Jason Deardorff at (303) 312-6583 or 1-(800) 227-8917 (Ext. 312-6583). Please submit the required data to Sarah Bahrman at the letterhead address citing mail code 8P-W-GW.

Sincerely,



for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Encl: Authorization for Additional Well
EPA Form No. 7520-12 (Well Rework Record)
Proposed Wellbore and P&A Schematics for Federal 13-15H-9-17

cc: Letter Only

Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit No: UT20853-00000

The Lone Tree Final UIC Area Permit No. UT20853-00000, effective September 1, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On April 28, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

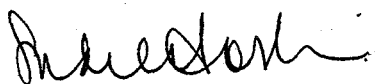
Well Name:	<u>Federal 13-15H-9-17</u>
EPA Well ID Number:	<u>UT 20853-08411</u>
Location:	2101' FSL & 779' FWL NW SW Sec. 15 T9S-R17E Duchesne County, Utah API #43-013-31698

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20853-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20853-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: AUG 13 2009


for **Stephen S. Tuber**
* Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

** The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20853-00000
Well: Federal 13-15H-9-17 EPA Well ID: UT20853-08411

Printed on Recycled Paper

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: **Federal 13-15H-9-17**
EPA Well ID Number: **UT20853-08411**

Prior to Commencing Injection Operations, the permittee shall submit the following information:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested.

A successful RTS will be considered a valid confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the MAIP, until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*)
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, which may affect the cement integrity of the well
- e) If the Director requests that a RTS be run for any reason

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

Approved Injection Zone: Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,412 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 5,821 ft. (KB).

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **1,340 psig**, based on the following calculation:

MAIP = [FG - (0.433)(SG)] * D, where

FG = 0.73 psi/ft. SG = 1.015 D = **4,627 ft.** (top perforation depth KB)

MAIP = **1,340 psig**

UIC Area Permit No. UT20854-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a Step Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

Well Construction: Tubing and Packer: 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with 100 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2,558 ft. to 2,724 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 166-foot balanced cement plug inside the 5-1/2" casing from approximately 2,558 to 2,724 ft. (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,223 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot plug inside the 5-1/2" casing from approximately 1,163-1,283 ft. (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 465 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: **Federal 13-15H-9-17**
EPA Well ID Number: **UT20853-08411**

Underground Sources of Drinking Water (USDWs): USDWs in the Lone Tree Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 118 ft. below ground surface in the Federal 13-15H-9-17 well.

http://NRWRT1.NR.STATE.UT.US: There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:
TDS of commingled produced water from the Douglas Creek and Castle Peak Members of the Green River Formation Water from the Federal 13-15H-9-17 well was determined to be 23,061 mg/l on March 17, 2009.

TDS of water from the Jonah Facility Injection System was determined to be 3,078 mg/l on January 6, 2009.

The **injectate** is water from the Jonah Facility Injection System blended with produced Green River Formation Water resulting in a TDS content less than 10,000 mg/l.

Aquifer Exemption is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

Confining Zone: The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 86 ft. of shale between the depths of 3,326 ft. and 3,412 ft. (KB).

Injection Zone: The Injection Zone at this well location is approximately 2,409 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,412 ft. (KB) to the top of the Wasatch Formation which is estimated to be at 5,821 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL does not show 80% or greater cement bond index in the Confining Zone (3,326 to 3,412 ft. KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 415 ft. (KB) in a 12-1/4" hole, using 290 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 5,698 ft. (KB) in a 7-7/8" hole secured with 455 sacks of cement. Total driller depth 5,700 ft. Plugged back total depth is 5,626 ft. EPA calculates top of cement at 2,571 ft. Estimated CBL top of cement is 700 ft.

Perforations: Top perforation: 4,627 ft. (KB) Bottom perforation: 5,320 ft. (KB)

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following five wells that penetrate the confining zone within or proximate to a 1/4 mile radius around the Federal 13-15H-9-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Federal N-15-9-17

API: 43-013-33933

NWSW Sec. 15-T9S-R17E

Authorization for Additional Well: UIC Area Permit UT20853-00000

Well: Federal 13-15H-9-17 EPA Well ID: UT20853-08411

Well: S. Pleasant Valley 11-15-9-17 API: 43-013-31991 NESW Sec. 15-T9S-R17E
 Well: Lone Tree Q-15-9-17 API: 43-013-33496 SESW Sec. 15-T9S-R17E
 Well: Federal 24-15H-9-17 API: 43-013-30681 SESW Sec. 15-T9S-R17E
 Well: S. Pleasant Valley 5-15-9-17 API: 43-013-31886 SWNW Sec. 15-T9S-R17E

Corrective Action Not Required on AOR wells:

Well: Federal N-15-9-17 API: 43-013-33933 NWSW Sec. 15-T9S-R17E
 CBL shows cement across entire confining zone, from 3,210 - 3,410 ft.

Well: S. Pleasant Valley 11-15-9-17 API: 43-013-31991 NESW Sec. 15-T9S-R17E
 CBL shows cement across entire confining zone, from 3,320 – 3,400 ft.

Well: Lone Tree Q-15-9-17 API: 43-013-33496 SESW Sec. 15-T9S-R17E
 CBL shows cement across entire confining zone, from 3,260 – 3,458 ft.

Well: Federal 24-15H-9-17 API: 43-013-30681 SESW Sec. 15-T9S-R17E
 CBL shows cement across entire confining zone, from 3,198 – 3,392 ft.

Well: S. Pleasant Valley 5-15-9-17 API: 43-013-31886 SWNW Sec. 15-T9S-R17E
 CBL shows cement across the entire confining zone, from 3,210 – 3,410 ft.

Reporting of Noncompliance:

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

Other Noncompliance: The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

Federal 13-15H-9-17

Spud Date: 1/30/97
Put on Production: 4/7/97
GL: 5260' KB: 5273'

Initial Production: 77 BOPD, 0
MCFPD, 164 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 10 jts. (415')
DEPTH LANDED: 415'
HOLE SIZE: 12-1/4"
CEMENT DATA: 290 sxs Premium cmt, est 31 bbls to surf.

Base USDW per
Pub. 92 @ 118'

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 135 jts. (5698')
DEPTH LANDED: 5698'
HOLE SIZE: 7-7/8"
CEMENT DATA: 210 sxs Hifill and 245 sxs Thixotropic
CEMENT TOP AT: 700'

Top Green
River @ 1223'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 168 jts (5248.16')
TUBING ANCHOR: 5261.16' KB
NO. OF JOINTS: 2 jts (63.05')
SN LANDED AT: 5327.01' KB
NO. OF JOINTS: 1 jt (31.20')
TOTAL STRING LENGTH: 5359.76' KB

Top Garden
Culch @
3412'

12' of continuous $\geq 80\%$
bond through ACZ. RTS
required.

FRAC JOB

03/13/97 5224'-5320' Frac sand as follows:
Frac w/942 bbls of fluid and 203,500# 20/40
sand. Treated w/avg rate of 50.2 BPM w/avg
press of 1800 psi. ISIP-1577 psi.
03/17/97 4850'-4858' Frac sand as follows:
466 bbls of fluid and 86,100# 20/40 sand.
Treated w/avg rate of 20.7 BPM w/avg press
of 1850 psi. ISIP-1864 psi.
03/19/97 4627'-4686' Frac sand as follows:
601 bbls of fluid and 130,600# 20/40 sand.
Treated w/avg rate of 40 BPM w/avg press of
1950 psi. ISIP-1884 psi.
06/18/03 Tubing leak. Update tubing and rod details.
1/22/04 Tubing leak. Update rod and tubing details.
11/1/04 Parted Rods. Updated rod details.
07/23/05 Tubing Leak. Update rod and tubing details.

Trona 2608' - 2650'
Mahogany Bench 2654' - 2670'

ACZ 3326' - 3412'
4371' - Douglas Creek

Packer @ 4592' KB

4627'-4634'

4679'-4686'

4850'-4858'

Castle Peak 5199'

5224'-5227'

5230'-5231'

5266'-5274'

5296'-5305'

5318'-5320'

PERFORATION RECORD

Date	Interval	ISPF	Holes
03/13/97	5224'-5227'	2 JSPF	6 holes
03/13/97	5230'-5231'	2 JSPF	2 holes
03/13/97	5266'-5274'	2 JSPF	16 holes
03/13/97	5296'-5305'	2 JSPF	18 holes
03/13/97	5318'-5320'	2 JSPF	4 holes
03/15/97	4850'-4858'	4 JSPF	32 holes
03/18/97	4627'-4634'	2 JSPF	14 holes
03/18/97	4679'-4686'	2 JSPF	14 holes

Top of fill @ 5576'

Basal Carbonate @ 5621'

PBTD @ 5626'

SHOE @ 5698'

TD @ 5700'

Federal 13-15H-9-17
2101 FSL & 779 FWL
NW/SW Section 15-T9S-R17E
Duchesne Co, Utah
API #43-013-31698; Lease #UTU-74805

Wasatch estimated @ 5821'

MS 3/31/09

Federal 13-15H-9-17

Spud Date: 1/30/97

Put on Production: 4/7/97

GL: 5260' KB: 5273'

Initial Production: 77 BOPD, 0
MCFPD, 164 BWPDSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

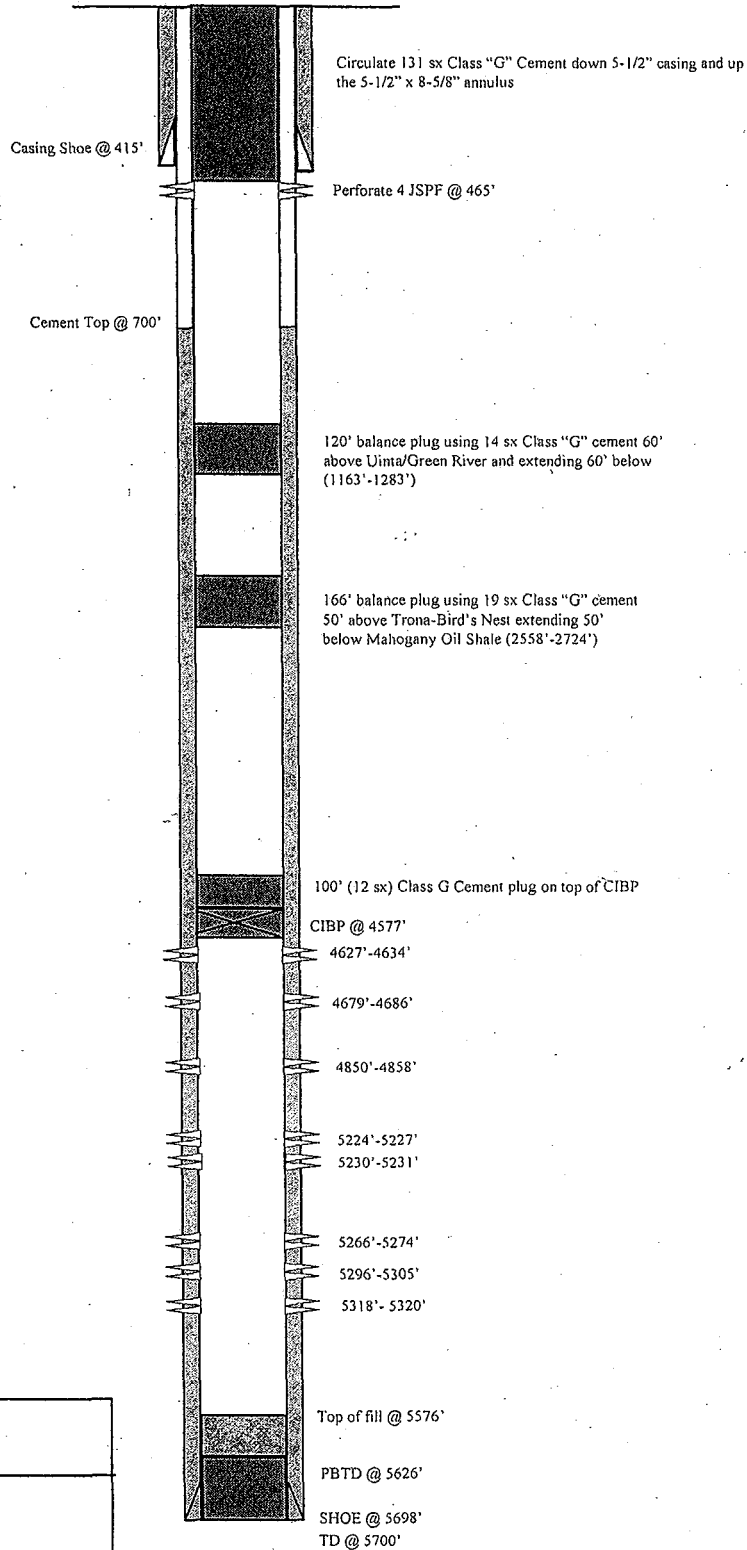
WEIGHT: 24#

LENGTH: 10 jts. (415')

DEPTH LANDED: 415'

HOLE SIZE: 12-1/4"

CEMENT DATA: 290 sxs Premium cmt, est 31 bbls to surf.

Proposed P & A
Wellbore Diagram

Federal 13-15H-9-17
2101 FSL & 779 FWL
NW/SW Section 15-T9S-R17E
Duchesne Co, Utah
API #43-013-31698; Lease #UTU-74805



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUG 06 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

43 013 31698
9S 17E 15

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, CO 80202

RE: Underground Injection Control (UIC)
One Year Extension of UIC Permits

Dear Mr. Sundberg:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) August, 3, 2010, letter requesting a one year extension of five UIC Permits. EPA hereby grants an extension of one year from the date of expiration, to construct or convert wells under the following UIC Permits and Add Well Authorizations:

UIC Permit Number	Well Name	New Date of Expiration
UT20642-08443	Federal 23-5J-9-17	8/11/2011
UT20798-08393	Federal 14-8-9-17	8/12/2011
UT20776-08406	Federal 21-10Y-9-17	8/13/2011
UT20853-08411	→ Federal 13-15H-9-17	8/13/2011
UT20771-08467	Pleasant Valley 7-9-9-17	8/24/2011

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583.

Sincerely,

for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Frances Poowegup, Vice-chairwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining
Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74805
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2101 FSL 779 FWL		8. WELL NAME and NUMBER: FEDERAL 13-15H
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW, 15, T9S, R17E		9. API NUMBER: 4301331698
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/08/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -	
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 11/02/2010.

New interval added: 4442-4452' 3 JSPF.

On 11/03/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 11/08/2010 the casing was pressured up to 1170 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20853-04455 API# 43-013-31698

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

DATE 11/09/2010

(This space for State use only)

RECEIVED

NOV 16 2010

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2101 FSL 779 FWL

NWSW Section 15 T9S R17E

5. Lease Serial No.

USA UTU-74805

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

FEDERAL 13-15H

9. API Well No.

4301331698

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Change Status _____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The subject well has been converted from a producing oil well to an injection well on 11/02/2010.

New interval added: 4442-4452' 3 JSPF.

On 11/03/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 11/08/2010 the casing was pressured up to 1170 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20853-04455 API# 43-013-31698

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lucy Chavez-Naupoto

Signature

Title

Administrative Assistant

Date

11/09/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

NOV 16 2010

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 11 / 08 / 2010
Test conducted by: James Bird
Others present: _____

Well Name: <u>Federal 13-15H-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NW/SE</u> Sec: <u>15</u> T <u>9</u> N <u>10</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>/ /</u> Maximum Allowable Pressure: _____ PSIG		

Is this a regularly scheduled test? ☐ Yes ☒ No
Initial test for permit? ☒ Yes ☐ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

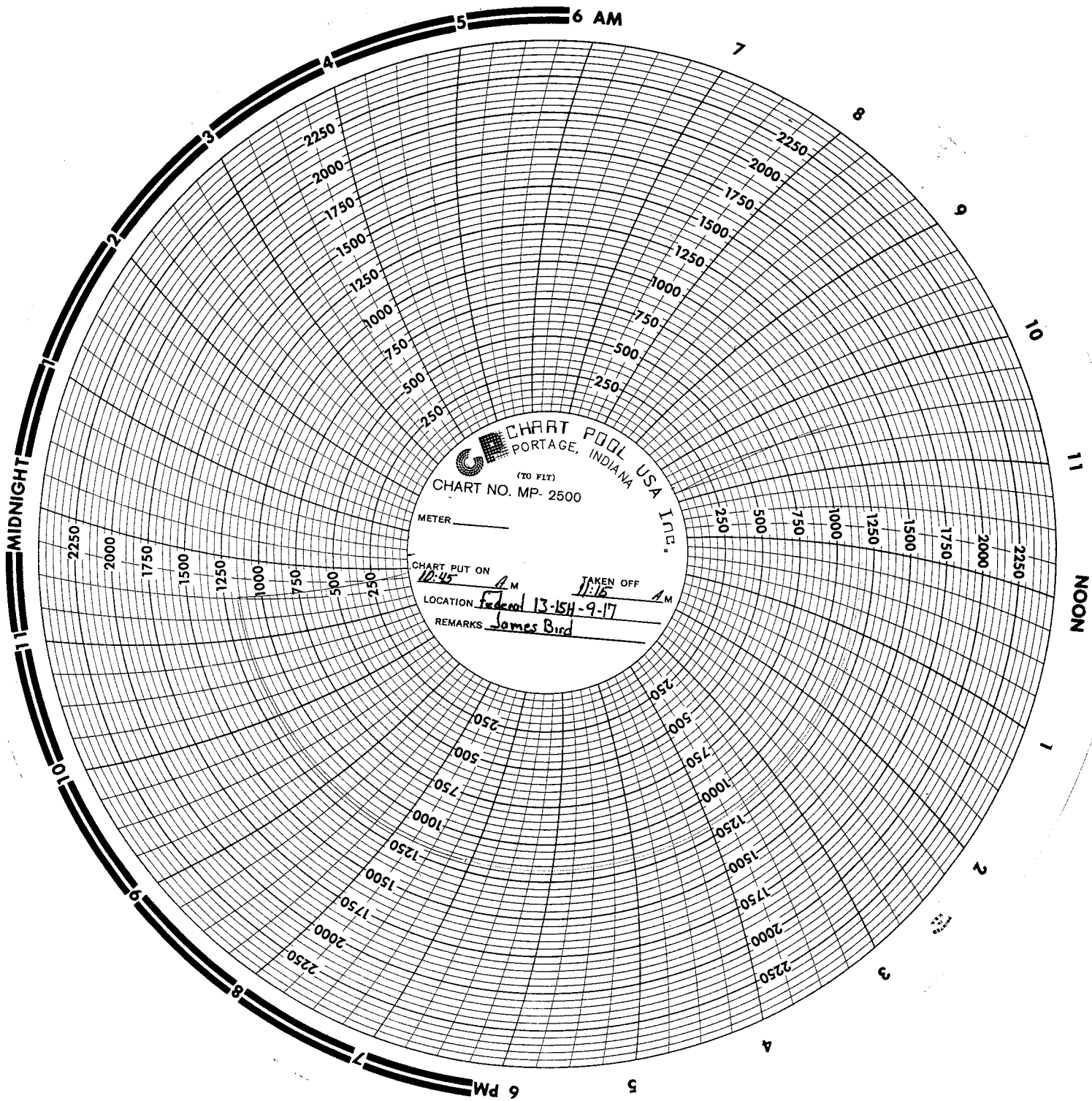
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1170</u> psig	psig	psig
5 minutes	<u>1170</u> psig	psig	psig
10 minutes	<u>1170</u> psig	psig	psig
15 minutes	<u>1170</u> psig	psig	psig
20 minutes	<u>1170</u> psig	psig	psig
25 minutes	<u>1170</u> psig	psig	psig
30 minutes	<u>1170</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: James Bird



Daily Activity Report

Format For Sundry

FEDERAL 13-15H-9-17**9/1/2010 To 1/30/2011****10/28/2010 Day: 1****Conversion**

Nabors #809 on 10/28/2010 - MIRU Nabors rig #809. Heat annulus, unseat pump & flush rods. - MIRU Nabors rig #809. RU HO trk & pump 60 BW dn annulus @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 40 BW @ 250°F. SIFN.

Daily Cost: \$0**Cumulative Cost:** \$28,914

10/29/2010 Day: 2**Conversion**

Nabors #809 on 10/29/2010 - LD rod string & pump. Start TOH W/ production tbg. - RU HO trk & flush tbg W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 7 BW & pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. LD rod string & pump. Re-flushed rods W/ 40 BW on TOH. ND wellhead & release TA @ 5261'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 100 jts. Kept tbg ID & OD clean W/ add'l 50 BW. SIFN.

Daily Cost: \$0**Cumulative Cost:** \$32,165

10/30/2010 Day: 3**Conversion**

Nabors #809 on 10/30/2010 - Finish TOH W/ production tbg. Perf D2 sds. Make bit & scraper run. Start in hole W? frac tools & tbg. - RU HO trk & flush tbg W/ 60 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 30 jts tbg & BHA. RU Perforators LLC & run 4 3/4" gauge ring and 10' X 3 1/8" ported perf gun. Can't get gauge ring past 5262'. Perf D2 sds @ 4442-52' W/ 3 JSPF (11g, 0.36 EH, 16.82 pen. 120° phasing). RD WLT. MU & TIH W/ RBS 4 3/4" bit, 5 1/2" casing scraper & 141 jts production tbg. Talley & PU 32 jts work string to run scraper to 5430' (no weight or drag). TOH W/ tbg--LD bit & scraper. Talley, drift, PU & TIH W/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 62 jts 2 7/8 8rd 6.5# N-80 tbg. SIFN.

Daily Cost: \$0**Cumulative Cost:** \$44,940

11/1/2010 Day: 5**Conversion**

Nabors #809 on 11/1/2010 - RU BJ & frac D2 sds. Flow well back. - Con't PU & TIH W/ pkr, plug & 2 7/8 N-80 tbg. Set plug @ 4470' & pkr @ 4399'. RU HO trk & fill annulus @ 28 BW. Fill tbg W/ 11 BW. Pressure test ools to 1500 psi. Breakdown perfs @ 2800 psi. Inject 4 BW @ 1900 psi @ .75 BPM. ISIP-1400 psi. Release pkr. Install circ rubber. Add frac valve & subs. Build circ stand. SIFN. - Open well w/ 20 psi on casing. Set pkr @ 4405'. RU BJ Services. Pressure casing to 600 psi & stayed there for frac. Perfs broke down @ 3754 psi back to 2350 psi w/ 2 bbls @ 3 bpm. Frac w/ 29,575#'s of 20/40 sand in 302 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3737 @ 17 bpm w/ 6 ppg of sand. ISIP was 1944 w/ .87FG. RD BJ. Flow well back @ 3 bpm. Well flowed for 2.5 hour & died w/ 320 bbls rec'd. Release pkr. Circulate tbg clean. TIH w/ tbg to tag ' of sand. C/O to RBP & release. TOOH w/ tbg LD on trailer (LD 20 jts). SIFN. - Open well w/ 20 psi on casing. Set pkr @ 4405'. RU BJ Services. Pressure casing to 600 psi & stayed there for frac. Perfs broke down @ 3754 psi back to 2350

psi w/ 2 bbls @ 3 bpm. Frac w/ 29,575#'s of 20/40 sand in 302 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3737 @ 17 bpm w/ 6 ppg of sand. ISIP was 1944 w/ .87FG. RD BJ. Flow well back @ 3 bpm. Well flowed for 2.5 hour & died w/ 320 bbls rec'd. Release pkr. Circulate tbg clean. TIH w/ tbg to tag ' of sand. C/O to RBP & release. TOO H w/ tbg LD on trailer (LD 20 jts). SIFN. - Con't PU & TIH W/ pkr, plug & 2 7/8 N-80 tbg. Set plug @ 4470' & pkr @ 4399'. RU HO trk & fill annulus @ 28 BW. Fill tbg W/ 11 BW. Pressure test ools to 1500 psi. Breakdown perfs @ 2800 psi. Inject 4 BW @ 1900 psi @ .75 BPM. ISIP-1400 psi. Release pkr. Install circ rubber. Add frac valve & subs. Build circ stand. SIFN.

Daily Cost: \$0

Cumulative Cost: \$77,327

11/2/2010 Day: 6**Conversion**

Nabors #809 on 11/2/2010 - LD N-80 tbg. TIH w/ Arrow Set pkr. Test tbg. Set pkr. Test casing. - Open welol w/ 0 psi on casing. Continue TOO H w/ tbg LD on trailer. LD tools. RU 5-1/2" x 2-1/2" Arrow Set 1 pkr w/ wire line entry guide, SN. TIH w/ 141 jts tbg. Drop STD valve & had to chase to btm w/ sand line. Test tbg to 3000 psi. RD BOP's. Pump 65 bbls of packer fluid. Set pkr @ 4402' w/ 15,000#'s tension. Test casing to 1400 psi for 1/2 hour. RDMOSU. Well ready for MIT.

Daily Cost: \$0

Cumulative Cost: \$92,948

11/9/2010 Day: 7**Conversion**

Rigless on 11/9/2010 - MIT on well - On 11/3/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Federal 13-15H-9-17). On 11/8/2010 the csg was pressured up to 1170 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. Final Report! EPAUT#20853-04455 API# 43-013-31698 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$118,268

Pertinent Files: Go to File List



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

NOV 26 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, UT 84052

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
Minor Permit Modification
EPA UIC Permit UT20853-08411
Well: Federal 13-15H-9-17
NWSW Sec. 15-T9S-R17E
Duchesne County, Utah
API No.: 43-013-31698

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) November 9, 2010, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20853-08411.

Because a shallower interval was perforated during well conversion, the Maximum Allowable Injection Pressure (MAIP) for UIC Permit UT20853-08411 is hereby decreased to 1,290 psig from the 1,340 psig previously authorized. This new MAIP is based on the depth of the shallowest perforation in the wellbore (4,442 ft.) and a fracture gradient of 0.73 psi/ft.

As of the date of this letter, Newfield is authorized to commence injection into the Federal 13-15H-9-17 well at a MAIP of 1,290 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20853-08411. If Newfield seeks a higher MAIP than 1,290 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

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DEC 09 2010

DIV. OF OIL, GAS & MINING

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of UIC Permit UT20853-08411.

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-GW.

Sincerely,

advised by the
Utah Division of
Oil, Gas and Mining



FOR RECORD ONLY

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:
Frances Poowegup, Vice-Chairwoman
Curtis Cesspooch, Councilman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

NOV 26 2010

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District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, UT 84052

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Limited Authorization to Inject
Minor Permit Modification
EPA UIC Permit UT20853-08411
Well: Federal 13-15H-9-17
NWSW Sec. 15-T9S-R17E
Duchesne County, Utah
API No.: 43-013-31698

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DIV. OF OIL, GAS & MINING

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Sincerely,



Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

advised by the
to notify the U
Division of Oil,
Gas and Mining

FOR RECORD ONLY

cc: Uintah & Ouray Business Committee:

Frances Poowegup, Vice-Chairwoman
Curtis Cesspooch, Councilman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
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Brad Hill
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Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74805
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: GMBU
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2101 FSL 779 FWL		8. WELL NAME and NUMBER: FEDERAL 13-15H
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW, 15, T9S, R17E		9. API NUMBER: 4301331698
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 12/22/2010	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Put on Injection
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 1:30 PM on 12-22-2010.

EPA # UT20853-04455 API # 43-013-31698

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

DATE 12/29/2010

(This space for State use only)

RECEIVED
JAN 06 2011
DIV. OF OIL, GAS & MINING



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

MAR 01 2011

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Authorization to Continue Injection
EPA UIC Permit UT20853-08411
Well: Federal 13-15H-9-17
NWSW Sec.15-T9S-R17E
Duchesne County, UT
API No.: 43-013-31698

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, received the results of the February 3, 2011 Radioactive Tracer Survey (RTS) for the Federal 13-15H-9-17 well. EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,290 psig.

As of the date of this letter, EPA hereby authorizes continued injection into the Federal 13-15H-9-17 well under the terms and conditions of UIC Permit UT20853-08411.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a Step Rate Test (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

RECEIVED

MAR 30 2011

DIV. OF OIL, GAS & MINING

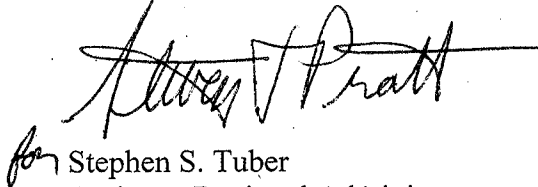
As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Nathan Wiser at the following address, referencing the well name and UIC Permit number on all correspondence:

Mr. Nathan Wiser
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211. Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20853-08411.

If you have questions regarding the above action, please call Bob Near at 303-312-6278 or 1-800-227-8917, ext. 312-6278.

Sincerely,



for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Richard Jenks, Jr., Chairman
Frances Poowegup, Vice-Chairwoman
Ronald Wopsock, Councilman
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Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

Spud Date: 1/30/97
 Put on Production: 4/7/97
 GL: 5260' KB: 5273'

Federal 13-15H-9-17

Initial Production: 77 BOPD, 0
 MCFPD, 164 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts (415')
 DEPTH LANDED: 415'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 290 sxs Premium cmt, est 31 bbls to surf.

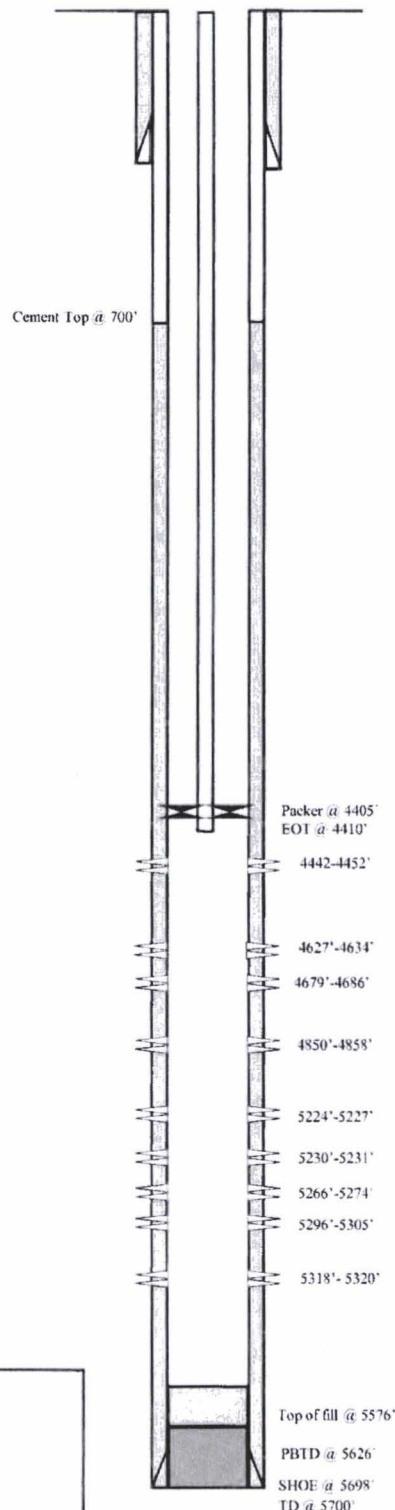
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts (5698')
 DEPTH LANDED: 5698'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 210 sxs Hifill and 245 sxs Thixotropic
 CEMENT TOP AT: 700'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 141 jts (4388.6')
 SEATING NIPPLE: 2 7/8" (1.10)
 SN LANDED AT: 4401.6' KB
 CE @ 4405'
 TOTAL STRING LENGTH: 4410' KB

Injection Wellbore Diagram



FRAC JOB

03/13/97	5224'-5320'	Frac sand as follows: Frac w/ 942 bbls of fluid and 203,500# 20/40 sand. Treated w/ avg rate of 50.2 BPM w/ avg press of 1800 psi. ISIP-1577 psi.
03/17/97	4850'-4858'	Frac sand as follows: 466 bbls of fluid and 56,100# 20/40 sand. Treated w/ avg rate of 20.7 BPM w/ avg press of 1850 psi. ISIP-1864 psi.
03/19/97	4627'-4686'	Frac sand as follows: 601 bbls of fluid and 130,600# 20/40 sand. Treated w/ avg rate of 40 BPM w/ avg press of 1950 psi. ISIP-1884 psi.
06/18/03		Tubing leak. Update tubing and rod details.
1/22/04		Tubing leak. Update rod and tubing details.
11/1/04		Parted Rods. Updated rod details.
07/23/05		Tubing Leak. Update rod and tubing details.
10/29/10	4442-4452'	Frac D2 sands as follows: 29575# 20/40 sand in 175 bbls Lighting 17 fluid.
11/2/10		Convert to Injection well
11/8/10		Conversion MIT - tbg detail updated

PERFORATION RECORD

03/13/97	5224'-5227'	2 JSPF	6 holes
03/13/97	5230'-5231'	2 JSPF	2 hole
03/13/97	5266'-5274'	2 JSPF	16 holes
03/13/97	5296'-5305'	2 JSPF	18 holes
03/13/97	5318'-5320'	2 JSPF	4 holes
03/15/97	4850'-4858'	4 JSPF	32 holes
03/18/97	4627'-4634'	2 JSPF	14 holes
03/18/97	4679'-4686'	2 JSPF	14 holes
10/29/10	4442-4452'	3 ISPF	30 holes

NEWFIELD

Federal 13-15H-9-17
 2101 FSL & 779 FWL
 NW/SW Section 15-T9S-R17E
 Duchesne Co, Utah
 API #43-013-31698; Lease #UTU-74805

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74805
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 13-15H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2101 FSL 0779 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 15 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013316980000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/2/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 10/02/2015 the casing was pressured up to 1072 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1478 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08411		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 10/5/2015		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 08, 2015

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 10 / 2 / 15
Test conducted by: Riley Bg/ly
Others present: _____

Well Name: <u>Federal</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Manumins B.H.</u>		
Location: <u>13</u> Sec: <u>15</u> T <u>9</u> N/S R <u>17</u> E/W County: <u>Duchene</u> State: <u>UT</u>		
Operator: <u>Riley Bg/ly</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1500</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1074 / 1483 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial Pressure	<u>1483</u> psig		psig	psig
End of test pressure	<u>1478</u> psig		psig	psig
CASING / TUBING ANNULUS PRESSURE				
0 minutes	<u>1074</u> psig		psig	psig
5 minutes	<u>1073</u> psig		psig	psig
10 minutes	<u>1073</u> psig		psig	psig
15 minutes	<u>1073</u> psig		psig	psig
20 minutes	<u>1073</u> psig		psig	psig
25 minutes	<u>1072</u> psig		psig	psig
30 minutes	<u>1072</u> psig		psig	psig
_____ minutes	psig		psig	psig
_____ minutes	psig		psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Federal 13-15H 9-17 (5 year MIT 10/2/15)

10/2/2015 10:45:42 AM

